(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Scheme 1 in Girisuta, B., L. Janssen, et al. (2007). "Kinetic study on the acid-catalyzed hydrolysis of cellulose to levulinic acid." Industrial & Engineering Chemistry Research 46(6): p. 1699 Report generated on: 05-07-2010 at: 09:52:54

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 9:53 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Scheme 13 in Kobayashi, S.; Uyama, H.; Kimura, S., Enzymatic polymerization. Chemical Reviews 2001, 101, (12), p. 3803 Report generated on: 05-07-2010 at: 09:38:11

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 9:41 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarr

Description of item under review for fair use: Figure 10 in Lima, M. M. D.; Borsali, R., Rodlike cellulose microcrystals: structure, properties, and applications. Macromol. Rapid Commun. 2004, 25, p. 782. Report generated on: 05-07-2010 at: 10:27:52

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:27 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 2 in Araki, J., M. Wada, et al. (1999). "Influence of surface charge on viscosity behavior of cellulose microcrystal suspension." Journal of Wood Science 45(3), p. 260. Report generated on: 05-07-2010 at: 10:33:01

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:33 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology 42(1): 49-62. Report generated on: 05-07-2010 at: 10:40:02

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:40 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 2 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology 42(1): 49-62. Report generated on: 05-07-2010 at: 10:44:51

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:45 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 3 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology 42(1): 49-62. Report generated on: 05-07-2010 at: 10:46:25

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:46 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure "Side Shooter thermal..." in http://www.techexchange.com/thelibrary/tchnlgy.pdf, p. 7.

Report generated on: 05-07-2010 at: 10:59:13

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:59 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure "Rear Shooter thermal..." in http://www.techexchange.com/thelibrary/tchnlgy.pdf, p. 7.

Report generated on: 05-07-2010 at: 11:00:45

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:00 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 10 in Lindemann, T., H. Ashauer, et al. (2007). "One inch thermal bubble jet printhead with laser structured integrated polyimide nozzle plate." Journal of Microelectromechanical Systems 16(2), p.424. Report generated on: 05-07-2010 at: 10:51:47

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:52 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Brunahl, J.; Grishin, A. M., Piezoelectric shear mode drop-on-demand inkjet actuator. Sensors and Actuators a-Physical 2002, 101, (3), p. 372. Report generated on: 05-07-2010 at: 11:05:01

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:05 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 15 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology 42(1): 49-62. Report generated on: 05-07-2010 at: 11:08:12

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:08 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Zavala, G. (2008). "Atomic force microscopy, a tool for characterization, synthesis and chemical processes." Colloid and Polymer Science 286(1), p. 86. AND Figure 2 in Sebastian, A., A. Gannepalli, et al. (2007). "A review of the systems approach to the analysis of dynamic-mode atomic force microscopy." leee Transactions on Control Systems Technology 15(5), p. 952.

Report generated on: 05-07-2010 at: 11:15:41

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:19 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 7 in Abramovitch, D. Y.; Andersson, S. B.; Pao, L. Y.; Georg, S. In A Tutorial on the mechanisms, dynamics, and control of Atomic Force Microscopes, Proceedings of the 2007 American Control Conference, New York, 2007; New York, 2007; p. 3491.

Report generated on: 05-07-2010 at: 11:32:17

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:32 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 3-1 in Hawkes, P. W.; Spence, J. C. H., Science of microscopy. 2° ed.; Springer: New York, 2007; Vol. 1, p 140.

Report generated on: 05-07-2010 at: 12:25:00

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 12:25 PM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 3-2 in Hawkes, P. W.; Spence, J. C. H., Science of microscopy. 2° ed.; Springer: New York, 2007; Vol. 1, p 141

Report generated on: 05-07-2010 at: 13:08:32

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 1:08 PM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Schwarz, B., C. Elsenmenger-Sittner, et al. (2007). "Construction of a high-temperature sessile drop device." Vacuum 82(2), p. 187. Report generated on: 05-07-2010 at: 11:51:12

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:51 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Morita, A. T., D. J. Carastan, et al. (2002). "Influence of drop volume on surface tension evaluated using the pendant drop method." Colloid and Polymer Science 280(9), p. 858. Report generated on: 05-07-2010 at: 11:46:41

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:46 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

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Name: Fernando Navarro

Description of item under review for fair use: Scheme 1 in Girisuta, B., L. Janssen, et al. (2007). "Kinetic study on the acid-catalyzed hydrolysis of cellulose to levulinic acid." Industrial & Engineering Chemistry Research 46(6): p. 1699 Report generated on: 05-07-2010 at: 09:52:54

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 9:53 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Fig. 4 in Xiang, Q.; Lee, Y. Y.; Pettersson, P. O.; Torget, R., Heterogeneous aspects of acid hydrolysis of alpha-cellulose. Applied Biochemistry and Biotechnology 2003, 105, p. 511. Report generated on: 05-07-2010 at: 09:58:10

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 9:58 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Bondeson, D., I. Kvien, et al. (2006). "Strategies for preparation of cellulose whiskers from microcrystalline cellulose as reinforcement in nanocomposites." Cellulose Nanocomposites: Processing, Characterization, and Properties, p. 13.

Report generated on: 05-14-2010 at: 16:32:50

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/14/2010 4:32 PM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Elazzouzi-Hafraoui, S.; Nishiyama, Y.; Putaux, J. L.; Heux, L.; Dubreuil, F.; Rochas, C., The shape and size distribution of crystalline nanoparticles prepared by acid hydrolysis of native cellulose. Biomacromolecules 2008, 9, (1), p.58.

Report generated on: 05-07-2010 at: 10:18:35

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:18 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

 $Description \ of \ item \ under \ review \ for \ fair \ use: Figure \ 1 \ in \ Gray, D. \ G. \ (1994). \ "Chiral \ nematic \ ordering \ of \ polysaccharides." \ Carbohydrate \ Polymers \ 25, p. \ 277 \ and \ Polysaccharides.$

Report generated on: 05-07-2010 at: 10:22:45

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:22 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Table 2 in Gardner, D. J., G. S. Oporto, et al. (2008). "Adhesion and surface issues in cellulose and nanocellulose." Journal of Adhesion Science and Technology 22(5-6), p.560. Report generated on: 05-07-2010 at: 10:12:45

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:13 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Table 2 in Abramovitch, D. Y., S. B. Andersson, et al. (2007). A Tutorial on the mechanisms, dynamics, and control of Atomic Force Microscopes. Proceedings of the 2007 American Control Conference, New York. P. 3488.

Report generated on: 05-07-2010 at: 11:25:08

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs; in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:25 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Table 1 in http://www.veeco.com/pdfs/appnotes/AN48r2_SPM_AFM_278.pdf, p. 1.

Report generated on: 05-07-2010 at: 11:28:24

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 11:28 AM

Draft 08/31/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Tool

Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use.
Your name
Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Scheme 13 in Kobayashi, S.; Uyama, H.; Kimura, S., Enzymatic polymerization. Chemical Reviews 2001, 101, (12), p. 3803
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and educational.
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
YesNo
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
Have you given credit to the author or creator of the copyrighted work in your ETD? Yes
No
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
YesNo
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
YesNo
2. Did it come from a published work?
Yes
NoDon't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
NoDon't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
• Yes
NoDon't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
YesNo
Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
YesNo
Don't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
YesNo

1 of 2 5/7/2010 9:43 AM

VT Fair Use Analysis Tool from the Digital Library and Archives at Virgin...

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

2 of 2

Draft 08/31/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Tool

Virginia Tech ETD Fair Use Analysis Tool
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Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 10 in Lima, M. M. D.; Borsali, R., Rodlike cellulose microcrystals: structure, properties, and applications. Macromol.
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
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1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
○ Yes ● No
Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
• Yes
No Consider the parties of the constituted work you used in your ETD.
Factor 2: Consider the nature of the copyrighted work you used in your ETD. 1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
© Yes
No
2. Did it come from a published work?
YesNo
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
© Yes
No Don't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
• Yes
No Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
No Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
© Yes
No Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
• Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
● Yes ● No
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
• Yes
 No

1 of 2 5/7/2010 10:27 AM

VT Fair Use Analysis Tool from the Digital Library and Archives at Virgin...

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use



2 of 2

Draft 08/31/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Tool

Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use.	
Your name	
Femando Navarro	
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 2 in Araki, J., M. Wada, et al. (1999). "Influence of surface charge on viscosity behavior of cellulose microcrystal	
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.	
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education	nal.
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?	
YesNo	
2. Was the reason for using the copyrighted work also to entertain?	
Yes No	
Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?	
● Yes ● No	
4. Have you given credit to the author or creator of the copyrighted work in your ETD?	
Ves No	
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?	
Yes No	
Factor 2: Consider the nature of the copyrighted work you used in your ETD.	
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?	
© Yes	
No2. Did it come from a published work?	
Yes	
◎ No	
Don't know Is it a factual work as a water from a calculation would a grown as a table degreed from a statistical data?	
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?	
YesNo	
Factor 3: Consider the extent and significance of the copyrighted work you used.	
1. Did you use a substantial portion of the copyrighted work?	
YesNo	
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?	
• Yes	
No Don't know	
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?	
• Yes	
No Don't know	
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.	
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?	
Yes No	
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?	
• Yes	
No Don't know	
3. Is there a licensing mechanism in place for using the copyrighted work?	
Yes	
NoDon't know	
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?	
YesNo	
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
• Yes	
No	

1 of 2 5/7/2010 10:32 AM

VT Fair Use Analysis Tool from the Digital Library and Archives at Virgin...

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

2 of 2

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Results

This is not a replacement for professional legal advice but an effort to assist you in making a sound decision.

Name: Fernando Navarro

Description of item under review for fair use: Figure 1 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology 42(1): 49-62. Report generated on: 05-07-2010 at: 10:40:02

Based on the information you provided:

Factor 1

Your consideration of the purpose and character of your use of the copyright work weighs: in favor of fair use

Factor 2

Your consideration of the nature of the copyrighted work you used weighs: in favor of fair use

Factor 3

Your consideration of the amount and substantiality of your use of the copyrighted work weighs: in favor of fair use

Factor 4

Your consideration of the effect or potential effect on the market after your use of the copyrighted work weighs: in favor of fair use

Based on the information you provided, your use of the copyrighted work weighs: in favor of fair use



1 of 1 5/7/2010 10:40 AM

Draft 08/31/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Tool

Virginia Tech ETD Fair Use Analysis Tool
Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use. Your name
Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 2 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology.
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
YesNo
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
Yes No
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
© Yes
No
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
I. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction? Yes
No No
2. Did it come from a published work?
Yes No
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
• Yes
• No 2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
Yes
® No
Don't know3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
Yes
® No
Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work. 1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
Yes
© No
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
YesNo
Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
Ves No
Don't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
• Yes
No

1 of 2 5/7/2010 10:44 AM

VT Fair Use Analysis Tool from the Digital Library and Archives at Virgin...

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use



2 of 2 5/7/2010 10:44 AM

Draft 08/31/2009

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Tool

Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use.
Your name
Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 3 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology." Journal of Imaging Science and Technology
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
○ Yes ● No
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
♥ YesNo
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
• Yes
No 2. Did it come from a published work?
Yes
◎ No
Don't know It is a factual work, such as a great from a spiratific invarial a greath as a table desired from statistical data?
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
♥ YesNo
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
NoDon't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
○ Yes
NoDon't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
Did you lawfully acquire a copy of copyrighted material you used in your ETD?
• Yes
No2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
© Yes
No Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
Yes
◎ No
 Don't know 4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
• Yes
No 5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
Yes Yes
· res · No

1 of 2 5/7/2010 10:45 AM

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Tool

Virginia Tech ETD Fair Use Analysis Tool
Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use. Your name
Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure "Side Shooter thermal" in http://www.techexchange.com/thelibrary /tchnlgy.pdf, p. 7.
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
YesNo
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
Have you given credit to the author or creator of the copyrighted work in your ETD? Yes
© No
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
YesNo
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
YesNo
2. Did it come from a published work?
• Yes
NoDon't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
Yes
No
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
No Don't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
© Yes
NoDon't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
Yes
o No

1 of 2 5/7/2010 10:58 AM

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

(Please ensure that Javascript is enabled on your browser before using this tool.)

Virginia Tech ETD Fair Use Analysis Tool

ragina ten BIB i au ese inaiysis too
Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use.
Your name Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure "Rear Shooter thermal" in http://www.techexchange.com/thelibrary /tchnlgy.pdf, p. 7.
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
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1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
• Yes
No3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
• Yes
® No
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
© Yes ® No
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
• Yes
No District and form and the decided and the second and the seco
2. Did it come from a published work? Yes
◎ N ₀
Don't know3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
9. Set a factual work, such as a quote from a sectionic journal, a graph of a table derived from statistical data:
• No
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
No Don't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
YesNo
Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
• Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
YesNo
Don't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
Yes
© No

1 of 2 5/7/2010 11:00 AM

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Your name Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 10 in Lindemann, T., H. Ashauer, et al. (2007), "One inch thermal bubble jet printhead with laser structured integrated
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YesNo
Was the reason for using the copyrighted work also to entertain?
• Yes
 No Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
• Yes
● No
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
• Yes
 No Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
Yes
● No
2. Did it come from a published work?
YesNo
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
○ Yes ● No
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
• Yes
● No
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
YesNo
Don't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
YesNo
Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
• Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
• Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
• Yes
No
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
YesNo

1 of 2 5/7/2010 10:51 AM

http://etd.vt.edu/fairuse/analyzer/

Don't know

Analyze Fair Use

W3C XHTML

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Virginia Tech ETD Fair Use Analysis Tool

Virginia Tech ETD Fair Use Analysis Tool	
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Fernando Navarro	
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 1 in Brunahl, J.; Grishin, A. M., Fiezoelectric shear mode drop-on-demand inkjet actuator. Sensors and Actuators	
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.	
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education	al.
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?	
YesNo	
2. Was the reason for using the copyrighted work also to entertain?	
• Yes	
No3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?	
Yes No	
4. Have you given credit to the author or creator of the copyrighted work in your ETD?	
YesNo	
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?	
© Yes	
No	
Factor 2: Consider the nature of the copyrighted work you used in your ETD.	
I. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction? Yes	
No No	
2. Did it come from a published work?	
Yes No	
Don't know	
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?	
YesNo	
Factor 3: Consider the extent and significance of the copyrighted work you used.	
1. Did you use a substantial portion of the copyrighted work?	
Yes No	
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?	
• Yes	
® No	
Don't know3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?	
Yes	
® No	
Don't know Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.	
Did you lawfully acquire a copy of copyrighted material you used in your ETD?	
• Yes	
● No	
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?	
YesNo	
Don't know	
3. Is there a licensing mechanism in place for using the copyrighted work?	
YesNo	
Don't know	
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work? Yes	
® No	
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
YesNo	

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W3C XHTML

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Virginia Tech ETD Fair Use Analysis Tool

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Your name Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 15 in Le, H. P. (1998). "Progress and trends in ink-jet printing technology."
Journal of Imaging Science and Technology
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and educational.
Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
2. Was the reason for using the copyrighted work also to entertain?
○ Yes * No
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
○ Yes ● No
Have you given credit to the author or creator of the copyrighted work in your ETD? Yes
• No
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
YesNo
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
• Yes
• No
2. Did it come from a published work?
YesNo
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
• Yes
No2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
Yes
● No
O Don't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
YesNo
Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
• Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
* Yes
No

1 of 2 5/7/2010 11:07 AM

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Don't know

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Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 1 in Zavala, G. (2008). "Atomic force microscopy, a tool for characterization, synthesis and chemical processes." Colloid
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1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
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YesNo
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4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
Yes
• No
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
YesNo
2. Did it come from a published work?
YesNo
On't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
No Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
NoDon't know
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
• Yes
NoDon't know
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1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
• Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
• Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
● Yes
• No

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Don't know

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• Yes • No

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Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 7 in Abramovitch, D. Y.; Andersson, S. B.; Fao, L. Y.; Georg, S. In A Tutorial on the mechanisms, dynamics, and control of
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YesNo
2. Was the reason for using the copyrighted work also to entertain? Yes
• No
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
YesNo
Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
○ Yes ● No
Did it come from a published work?
Yes
NoDon't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
• Yes
 No Factor 3: Consider the extent and significance of the copyrighted work you used.
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• Yes
 No 2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
2. was the part of the copyrighted work you included in your E1D a negligible part of the whole work? Yes
® No
Don't know3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
Yes
® No
 Don't know Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
Did you lawfully acquire a copy of copyrighted material you used in your ETD?
• Yes
◎ No
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
YesNo
O Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
YesNo
Don't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
YesNo
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?

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Yes

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Fernando Navarro	
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 1 in Schwarz, B., C. Elsenmenger- Sittner, et al. (2007). "Construction of a high-temperature sessile drop device."	
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.	
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and educations	al.
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YesNo	
2. Was the reason for using the copyrighted work also to entertain?	
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4. Have you given credit to the author or creator of the copyrighted work in your ETD?	
YesNo	
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?	
Yes	
● No	
Factor 2: Consider the nature of the copyrighted work you used in your ETD. 1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?	
Yes	
® No	
2. Did it come from a published work?	
YesNo	
Don't know	
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YesNo	
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1. Did you use a substantial portion of the copyrighted work?	
YesNo	
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• Yes	
NoDon't know	
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 Don't know Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work. 	
Did you lawfully acquire a copy of copyrighted material you used in your ETD?	
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No	
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YesNo	
Don't know	
3. Is there a licensing mechanism in place for using the copyrighted work?	
YesNo	
Don't know	
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?	
YesNo	
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
• Yes	
No	

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Fernando Navarro	
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 1 in Morita, A. T., D. J. Carastan,	
surface tension evaluated using the pendant	
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.	
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and education	nal.
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?	
♥ YesNo	
Was the reason for using the copyrighted work also to entertain?	
© Yes	
• No 3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?	
© Yes	
• No 4. Have you given credit to the author or creator of the copyrighted work in your ETD?	
• Yes	
• No	
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?	
YesNo	
Factor 2: Consider the nature of the copyrighted work you used in your ETD.	
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?	
• Yes	
No	
2. Did it come from a published work?	
YesNo	
Don't know	
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YesNo	
Factor 3: Consider the extent and significance of the copyrighted work you used.	
1. Did you use a substantial portion of the copyrighted work?	
• Yes	
• No 2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?	
Yes	
® No	
Don't know	
3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?	
○ Yes ● No	
Don't know	
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.	
Did you lawfully acquire a copy of copyrighted material you used in your ETD?	
YesNo	
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?	
• Yes	
NoDon't know	
3. Is there a licensing mechanism in place for using the copyrighted work?	
• Yes	
● No ● Don't know	
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?	
YesNo	
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
Yes	
No	

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Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Scheme 1 in Girisuta, B., L. Janssen, et al. (2007). "Kinetic study on the acid-catalyzed hydrolysis of cellulose to levulinic acid."
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1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
YesNo
Was the reason for using the copyrighted work also to entertain?
• Yes
 No 3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
● Yes ● No
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
Yes
© No
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2. Did it come from a published work?
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NoDon't know
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• Yes
No Factor 3: Consider the extent and significance of the copyrighted work you used.
Did you use a substantial portion of the copyrighted work?
• Yes
No
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
○ Yes ● No
Don't know
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♥ YesNo
Don't know
Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
• Yes
No Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
• Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
● Yes ● No
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
• Yes
○ No

1 of 2 5/7/2010 9:52 AM

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Your name Femando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20)
Fig. 4 in Xiang, Q.; Lee, Y. Y.; Pettersson, P. O.; Torget, R., Heterogeneous aspects of acid hydrolysis of alpha-cellulose. Applied
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
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YesNo
Was the reason for using the copyrighted work also to entertain?
© Yes
● No
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
• Yes
• No
Factor 2: Consider the nature of the copyrighted work you used in your ETD. 1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
Yes
• No
2. Did it come from a published work?
YesNo
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
Did you use a substantial portion of the copyrighted work?
• Yes
● N ₀
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
YesNo
Don't know
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1. Did you lawfully acquire a copy of copyrighted material you used in your ETD?
YesNo
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• Yes
NoDon't know
3. Is there a licensing mechanism in place for using the copyrighted work?
Yes
NoDon't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?
Yes
No 5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
Yes Yes
No

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Don't know

Analyze Fair Use



2 of 2 5/7/2010 9:57 AM

(Questions? Concerns? Contact Gail McMillan, Director of the Digital Library and Archives at Virginia Tech's University Libraries: gailmac@vt.edu)

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Virginia Tech ETD Fair Use Analysis Tool

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Please complete all fields and answer all questions. You must answer every question to receive fair use determination guidance. If you answer "don't know," it will weigh against fair use. Your name
Fernando Navarro
Provide a citation for the item you are considering for fair use: (e.g., Figure 1.1. ABC Festival. Source: XYZ: PQ Publishers, May 2000, p.20) Figure 1 in Bondeson, D., I. Kvlen, et al. (2006). "Strategies for preparation of cellulose whiskers from microcrystalline
Factor 1: Consider the purpose and character of the use you made of someone else's copyrighted material in your ETD.
Assumptions impacting this factor: An ETD available on the Internet is considered the equivalent to making multiple copies available. VT is a non-profit educational institution. The purpose of the ETD is research, academic and educational and educational institution.
1. Was the purpose of your use of the copyrighted work for a business or commercial activity?
♥ YesNo
2. Was the reason for using the copyrighted work also to entertain?
● Yes ● No
3. Was criticism, commentary, news reporting, or parody a reason for using the copyrighted work in your ETD?
YesNo
4. Have you given credit to the author or creator of the copyrighted work in your ETD?
YesNo
5. Did you redo or alter the copyrighted work to serve a new purpose when you used it in your ETD?
• Yes
No Factor 2: Consider the nature of the copyrighted work you used in your ETD.
1. Is it a creative work, such as a picture of a painting, a poem, or a work of fiction?
© Yes
No
2. Did it come from a published work?
YesNo
Don't know
3. Is it a factual work, such as a quote from a scientific journal, a graph or a table derived from statistical data?
YesNo
Factor 3: Consider the extent and significance of the copyrighted work you used.
1. Did you use a substantial portion of the copyrighted work?
YesNo
2. Was the part of the copyrighted work you included in your ETD a negligible part of the whole work?
• Yes
® No
 Don't know 3. Was the portion of the work you included in your ETD central to or the heart of the copyrighted work?
Yes
® No
 Don't know Factor 4: Consider the effect your use of the copyrighted material may have on the (potential) sale of the copyrighted work.
Did you lawfully acquire a copy of copyrighted material you used in your ETD?
Yes
© No
2. Will access to the copyrighted work in your ETD have a notable effect on the market or potential market for the original work?
YesNo
Don't know
3. Is there a licensing mechanism in place for using the copyrighted work?
YesNo
Don't know
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work? Yes
• Yes • No
5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?
• Yes
No

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Don't know

Analyze Fair Use

W3C XHTML

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NoDon't know	
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5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
Yes	
No	

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Don't know	
4. Could access to the copyrighted material in your ETD replace the use of original copyrighted work?	
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5. Would it be affordable (i.e., cost-effective) for you to get permission for using the copyrighted work?	
• Yes	
No	

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No

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NoDon't know
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© Yes
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YesNo

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