

Draft 09/01/2009

(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 Results

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

Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.1: Construction of a radial pneumatic tire. Adapted from S. Taheri, Tire mechanics. Lecture Notes Virginia Tech, Spring 2013.

Report generated on: 06-16-2015 at : 18:59:18

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*

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.2: Classification of tire models according to H.B.Pacejka. Adapted from H. B. Pacejka, Tire and Vehicle Dynamics. Butterworth-Heinemann, 3 ed., 2012.

Report generated on: 06-16-2015 at : 19:02:31

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.3: Tire force characteristics using TMeasy model. Adapted from W. Hirschberg, G. Rill, and H. Weinfurter, "Tire model tmeasy," Vehicle System Dynamics, vol. 45, no. suppl1, pp. 101 – 19, 2007

Report generated on: 06-16-2015 at : 19:04:57

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*

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.4: Approximation of brush contact model with tread element stiffness k_{cx} and local slip stiffness K_k . Adapted from Zegelaar, P.(1998). The dynamic response of tyres to brake torque variations and road unevennesses. Delft University of Technology.

Report generated on: 06-16-2015 at : 19:07:36

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.5: General classification of dynamic tire models . Adapted from Schmeitz, A. J. C. (2004). A Semi-Empirical Three-Dimensional Model of the Pneumatic Tyre Rolling over Arbitrarily Uneven Road Surfaces. Delft University of Technology

Report generated on: 06-16-2015 at : 19:09:16

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.6: Rigid modes of vibration of tire under unloaded and loaded ($F_z = 4000$ N) condition at zero speed. Adapted from Pacejka, H. B. (2012). Tire and Vehicle Dynamics (3rd ed.). Butterworth-Heinemann

Report generated on: 06-16-2015 at : 19:10:33

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.12: Dynamic force response for stepwise increase (from number 1 to number 3) and decrease (number 4) of brake torque. Adapted from A. T. Van Zanten, Road and Off-Road Vehicle System Dynamics Handbook - Control of Horizontal Vehicle Motion. CRC Press. 1 ed. 2014

Report generated on: 06-16-2015 at : 19:12:53

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 2.13: Dynamic force response of tire driving across 1 cm vertical step at 80 kmph. Adapted from D. Ammon. Road and Off-Road Vehicle System Dynamics Handbook - Detailed Modeling, Simulation, and analysis of Vehicle Dynamics. CRC Press. 1 ed. 2014

Report generated on: 06-16-2015 at : 19:14:41

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 3.1: Axis system of rigid ring model corresponding to different components: ring, axle, contact model, effective road surface. Adapted from Schmeitz, A. J. C. (2004). A Semi-Empirical Three-Dimensional Model of the Pneumatic Tyre Rolling over Arbitrarily Uneven Road Surfaces. Delft University of Technology.

Report generated on: 06-16-2015 at : 19:20:12

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

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 3.2: Two-dimensional tandem elliptical cam model. Adapted from Schmeitz, A. J. C. (2004). A Semi-Empirical Three-Dimensional Model of the Pneumatic Tyre Rolling over Arbitrarily Uneven Road Surfaces. Delft University of Technology.

Report generated on: 06-16-2015 at : 19:21:21

Based on the information you provided:

Factor 1

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Description of item under review for fair use: Figure 3.3: Three-dimensional tandem elliptical cam model. Adapted from Schmeitz, A. J. C. (2004). A Semi-Empirical Three-Dimensional Model of the Pneumatic Tyre Rolling over Arbitrarily Uneven Road Surfaces. Delft University of Technology.

Report generated on: 06-16-2015 at : 19:22:04

Based on the information you provided:

Factor 1

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Factor 2

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 3.4: Structure of rigid ring model with integrated enveloping model. Adapted from Schmeitz, A. J. C. (2004). A Semi-Empirical Three-Dimensional Model of the Pneumatic Tyre Rolling over Arbitrarily Uneven Road Surfaces. Delft University of Technology.

Report generated on: 06-16-2015 at : 19:22:28

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

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Description of item under review for fair use: Figure 3.5: External forces acting on contact mass causing slip velocities in contact patch. Adapted from Pacejka, H. B. (2012). Tire and Vehicle Dynamics (3rd ed.). Butterworth-Heinemann.

Report generated on: 06-16-2015 at : 19:25:22

Based on the information you provided:

Factor 1

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Factor 2

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Description of item under review for fair use: Figure 3.6: Effective rolling radius and loaded radius of the tire. Adapted from Zegelaar, P. (1998). The dynamic response of tyres to brake torque variations and road unevennesses. Delft University of Technology

Report generated on: 06-16-2015 at : 19:27:01

Based on the information you provided:

Factor 1

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Factor 2

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Name: Yaswanth Siramdasu

Description of item under review for fair use: Figure 3.10: Schematic of the Steering system. Adapted from CarSim Steering Systems. Mechanical Simulation - VehicleSim Browser Reference Manual, 2008

Report generated on: 06-16-2015 at : 19:28:18

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

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Description of item under review for fair use: Figure 8.5: Frequency dependent nonlinear dynamic stiffness. Adapted from Gipser.M. FTire, a new fast tire model for ride comfort simulations. International ADAMS Users Conference Berlin. 1999

Report generated on: 06-16-2015 at : 19:34:39

Based on the information you provided:

Factor 1

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Factor 2

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