

In-Between: Architectural Drawing and Imaginative Knowledge

Hooman Koliji

Dissertation submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of

Doctor of Philosophy

In

Architecture and Design Research

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ALEXANDRIA, VIRGINIA

Keywords: In-between, architectural drawing, imaginative knowledge, imaginal, *giri*

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Description of item under review for fair use: Fig.0.1. Rene Magritte, This is not a Pipe. 1928-1929, Los Angeles County Museum of Art.

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Description of item under review for fair use: Fig. 1.1 Left: Miniature Painting of the Prophet's Night Journey. A Page from Mirajnama (now lost) from early 14th century (Tabriz, Iran). Right: Close up view of the imaginal Jerusalem. Topkapi Saray Muzesi, 2154, fol.107 a.

Report generated on: 02-27-2013 at : 11:59:12

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Description of item under review for fair use: Fig. 1.2. Samer Akkach, The first stage of the Divine's manifestation according to Ibn Arabi's Al-Futuhat. Source: Akkach, S. 2005: 74.

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Description of item under review for fair use: Fig. 1.4. Left: Painting, Iran (Tabriz), 15th century, Istanbul, (Topkapi Seray Museum, Hazine 2152, fol. 9v.) Right: Piet Mondrian, Broadway Boogie-Woogie, 1942-1943, New York, (Museum of Modern Art, cat no. 442.). Source: Grabar, O. 1992: 120-121.

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Description of item under review for fair use: Fig. 1.5. The Prophet on his Mount al-Buraq. Page from Khamsa of Nizami. c.1141-1217, 1494-1495 (Heart, Afghanistan), (London, British Library, Or. 2265 fol 5v.). This miniature painting depicting the imaginal nature of the Prophet's Journey showing him with angels over Mecca while journeying on his mount al-Buraq.

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Description of item under review for fair use: Fig.2.1. Plan of muqarnas on a 13th-century incised plaster slab showing a quarter or half of a muqarnas vault (Deutches Archaeologisches Institute, Abeilung, Teheran). Source: Necipoglu, G. 1995.

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Description of item under review for fair use: Fig.2.2. Pages from al-Buzjani's treatise, Kitab fima Yahtaju Ilaihi al-Kuttab wa al-Ummal min 'Ilm al-Hisab, c. 13th century? (Paris National Library).

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Description of item under review for fair use: Fig.2.3. Examples of Buzjani's suggestions for drawing equilateral polygons using a compass. Drawings recreated by Jazbi. Source: Al-Buzjani and Jazbi. 2005.

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Description of item under review for fair use: Fig.2.4. Example of pages of an anonymously authored practical geometry titled fi Tadakhul al-Ashkal al-Mutashabiha aw al-Mutawafiqa (On Interlocking Similar or Congruent Figures) explaining execution of the girih in Persian language, c. 13th century ? (National Library of France).

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Description of item under review for fair use: Fig.2.5. Left: Construction of the Arabic lettering based on 1:8 proportion of the thickness of letter alif to its height inscribed in a circle, Source: El-Said, I. and Parman A. 1984. Right: Muhammad b. Sulayman al-Rawanid's diagrams developing proportional Arabic lettering based on the underlying geometric structure of circle. Images from his Rahat al-Sudur wa Ayat al-Surur (Solace of Heart and Signal for Gladness), c. 1204-1205? (National Library of Paris). Source: Necipoglu, G. 1995.

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Description of item under review for fair use: Fig.2.6. Anonymous, Plan of a muqarnas quarter vault, c. 16th century (Institute of Orinetal Studies, Uzbek Academy of Sciences). This drawing is attributed to a master builder from Bukhara of 16th century. Colors used include red and black ink and color (hatch areas). On the lower right of the drawing, the inscription (by the architect) challenges his peers to make similar drawings Source: Necipoglu, G. 1995.

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Description of item under review for fair use: Fig.2.7. Facsimiles from Miftah al-Hisab of al-Kashi demonstrate various ways of arch drawing along with computational matrixes. Right page demonstrates the second arch type. Source: Jazbi. 1987.

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Description of item under review for fair use: Fig.2.8. Shaykh Lutfulah mosque, Isfahan Iran. 17th century. Dome ornaments feature vegetal forms. Source: Necipoglu, G. 1995.

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Description of item under review for fair use: Fig.2.9. Scroll fragments showing stellate arch-net patterns for vaults and revelations by royal Qajar architect Mirza Akbar, late 18th century (Victoria and Albert Museum. MS no. 32). Source: Necipoglu, G. 1995.

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Description of item under review for fair use: Fig.2.10. Examples of the interlocking geometric patterns of rasmi-bandi, projected to the three-dimensional space, which can be considered under the broad definition of girih. Source: Buzurgmehri, Z. 1992.

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Description of item under review for fair use: Fig.2.12. Left: Girih pattern from the Seljuk Mama Hatun Mausoleum in Tercan, Turkey (about AD 1200), with girih-tile reconstruction overlaid at bottom (Source: Science Magazine). Here girih is seen in form of two-dimensional brickwork, however they suggest that lines cross over and under each other and this suggests a spatial dimension to the girih pattern. Middle: Girih in tile-works Moshir Mosque, Shiraz, Iran. Right: Fragments of Mirza Akbar's Scroll drawing demonstrating the geometric pattern of tile-work as well as plans of a building. (Victoria and Albert Museum, London, Asia and South East India Section. MS.254.)

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Description of item under review for fair use: Fig.2.13.The three-dimensional appearance of girih as brickwork. While literally offering a three dimensional space, the brick work also appears as a spatial interwoven grid (right column) Kharraqan towers (circa. 1067-8 and 1093), Central Iran.

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Description of item under review for fair use: Fig.2.14. Diagram showing how the repeat unit constructs the geometric pattern in at a larger physical and perceptual scale. From El-Said I. and Parman, A. 1976.

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Description of item under review for fair use: Fig.2.18 Partial plan of a royal mosque, 15th century, showing reflective ceilings and lattice windows on plan (Topkapi Palace Museum Archives E. 9495/8). Source: Necipoglu, G. 1986.

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Description of item under review for fair use: Fig.2.19 Eighteenth-century plan from Iran based on grid system. The plan represents a less level of sophistication compared to 15th and 16th centuries Ottoman plan drawings. (Victoria and Albert Museum Library). Source: Necipoglu, G. 1986, originally from P. Clarke, "The Tracing Board," Pl. IV.

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Name: Hooman Koliji

Description of item under review for fair use: Fig.2.20. Topkapi Sctoll drawing, Geometric drawing representing a two-dimensional pattern. This type of pattern is used to ornate revetments with glazed bricks.

Report generated on: 02-27-2013 at : 12:29:31

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: *against 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*



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: Hooman Koliji

Description of item under review for fair use: Fig. 2.21. Left: Centralized form: Geometric drawing using triangular grid inscribing words Ali (center) and Muhammad (perimeter). Right: A Rare drawing aided by equilateral triangular grid. Some of the construction lines are eliminated, final form suggesting a cubic form. Such representation of the three-dimensional space is rare and cannot be regarded as a common practice. (Topkapi Museum Palace). Source: Necipoglu, G. 1995.

Report generated on: 02-27-2013 at : 13:31:48

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: *against 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



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: Hooman Koliji

Description of item under review for fair use: Fig. 2.22. Topkapi Scroll drawing. Star-and-Polygon pattern representing a sophisticated girih mode. (Topkapi Palace Museum). Source: Necipoglu, G. 1995.

Report generated on: 02-27-2013 at : 13:32:40

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: *against 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*



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: Hooman Koliji

Description of item under review for fair use: Fig.2.23. The invisible construction lines of the girih pattern represent a different geometry from the final inked pattern. The circle structure can also be imagined/seen while one gazes at the pattern. In this sense, they function as imaginal orbits constantly moving the eyes from one center to another. That is how girih succeeds in taking the human beyond sight perception, which is based on the fixed position of the man in a certain place. Diagrams by the author.

Report generated on: 02-27-2013 at : 13:33:26

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: *against 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



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: Hooman Koliji

Description of item under review for fair use: Fig.2.24. Example of drawing process of a girih by Lorzadeh. Left shows the process starting with two "secret lines" crossing projected radii (upper left quadrant). The drawing is also based on the concept of repeat unit, a quadrant of the complete pattern. Source: Lorzadeh, H. 2010.

Report generated on: 02-27-2013 at : 13:34:27

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*



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: Hooman Koliji

Description of item under review for fair use: Fig.2.25. Example drawings from the Topkapi Scroll showing quarter of muqarnas for a vault structure. Star-and-polygon drawings represent three-dimensional space of (half) vault. (Topkapi Palace Museum) Source: Necipoglu, G. 1995.

Report generated on: 02-27-2013 at : 13:35:12

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: *against 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*



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: Hooman Koliji

Description of item under review for fair use: Fig.2.26. Overlaid diagrams showing the construction un-inked lines of the muqarnas (top two) based on the circle structure (i.e. projected radii and arcs). The underlying orbit-like structure along with stellate-like patterns, makes the muqarnas analogous to the macrocosm cosmological space of orbits and stars (two below). Diagrams by the author.

Report generated on: 02-27-2013 at : 13:36:21

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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig.2.27. Left: Process of drawing a muqarnas by Lorzadeh. The drawings are based on the concept of repeat unit and demonstrate half of the vault. Each stage demonstrates one horizontal layer of muqarnas structure Right: The completed muqarnas drawing. Source: Lorzadeh, H. 2010.

Report generated on: 02-27-2013 at : 13:37:02

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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig.2.28. Sha'rbaf's drawing process to embed a circular kar-bandi in a pentagon at the base. Source: Sha'rbaf, A. 2006.

Report generated on: 02-27-2013 at : 13:37:38

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*



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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: Hooman Koliji

Description of item under review for fair use: Fig.2.29. Superimposed interpretive diagram (over drawing # 39 of Topkapi Scroll) demonstrating three stages associated with the creation of girih: Circle (to start and give a structure), Emergence of Orbit-like circles, and n-point star forms. Diagram by the author. Drawing source: Necipoglu, G. 1995: 254.

Report generated on: 02-27-2013 at : 13:38:37

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*



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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: Hooman Koliji

Description of item under review for fair use: Fig.2.30. Superimposed interpretive diagram (over drawing no. 35 of Topkapi Scroll) demonstrating the process of creation of girih. Once the construction lines (comprised of circles and radii) is conceived, the imaginative eye of the draftsman inhabits the drawing and makes connections between nodes of intersection and future visible lines of the girih pattern. Diagram by the author. Drawing source: Necipoglu, G. 1995: 252.

Report generated on: 02-27-2013 at : 13:39:13

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



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.1. Example of orosi window from outside and inside views. Sheikh al-Islam House, Yazd, Iran, 19th Century. Source: Monograph on orosi Window, Ansari, A. and Nobari, H. 1985. Shahid Beheshti University, Tehran, Iran.

Report generated on: 02-27-2013 at : 13:40:23

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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.2. Left: Kairoun Mosque Minbar (c. 862), Right: Details of the geometric and vegetal patterns of the minbar. Geometric patterns of the minbar suggest early emergence of knotlike patterns. Source: Ettinghausen, R. and Grabar, O. 1987.

Report generated on: 02-27-2013 at : 13:41:24

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: *against 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*



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: Hooman Koliji

Description of item under review for fair use: Fig. 3.3. Pascal Coste, Orosi window in an ordinary mansion. C. 1841. The perspective drawing demonstrates two men sitting by the opening of orosi with parts of their hands being outside. Source: Pascal Coste drawings.

Report generated on: 02-27-2013 at : 13:41:58

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: *against 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*



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.4. Left: Plan of a room with Orosi window. Source: Monograph on Orosi Window, Ansari, A. and Nobari, H. ,1985. Shahid Beheshti University, Tehran, Iran. Right: Reconstruction of plan and elevation of the room and Orosi. Drawing by the author. The moveable sliding window creates various apertures between inside and outside at any given moment. The relationship between inside and outside, then, could be one that is not static but dynamic due to the change in apertures.

Report generated on: 02-27-2013 at : 13:42:40

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: *against 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



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: Hooman Koliji

Description of item under review for fair use: Fig. 3.5. Various typologies of the room floor plans with Orosi window. Entering the room often happens parallel to the surface of the window. Source: Monograph on orosi Window, Ansari, A. and Nobari, H., 1985. Shahid Beheshti University, Tehran, Iran.

Report generated on: 02-27-2013 at : 13:43:11

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.6. Left: Space of the courtyard, hayat, Mahmoudi House, 19th century, Yazd, Iran. Source: Amraee, M. 2009. Right: study sketch of the room and the window as “eye” gazing at the scenery of the garden. Drawing by the author.

Report generated on: 02-27-2013 at : 13:43:44

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.10. Drawing of an orosi window (with five slide opening) showing the frame and its various components. Source: Amraee, M. 2009.

Report generated on: 02-27-2013 at : 13:44:22

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: *against 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*



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: Hooman Koliji

Description of item under review for fair use: Fig. 3.11. Left: one sliding frame (darak, or latih), House in Abyaneyh (central Iran), Right: Sliding module of orosi window of the Friday Mosque of Borujerd, Iran. Source: Amraee, M. 2009.

Report generated on: 02-27-2013 at : 13:44:50

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.12. Left: Geometric girih patterns using shapes Right: individual shapes carrying certain names, e.g. Turanj (Bergamont, upper left), Shamsah (Sun, lower right). Source: Lorzadeh, H. 2010: 123.

Report generated on: 02-27-2013 at : 13:45:22

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.13. Charmi House, Isfahan, Iran. orosi with curtain membrane.
Source: Monograph: Orosi, Habib, F.; Sherkat, F.; Safar Irani , A.; Ghahremani; A., 1985. Shahid Beheshti University, Tehran, Iran.

Report generated on: 02-27-2013 at : 13:45:54

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.14. Window grills with girih patterns by Mirza Akbar, late 18th century. (Victoria & Albert Museum, London, Indian and South-East Asian Section, MS no.44.). Source: Necipoglu, G. 1995.

Report generated on: 02-27-2013 at : 13:46:27

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: *against 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*



Draft 09/01/2009

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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.15. The process of constructing girih window. Gulistan Palace Restoration, Tehran, Iran. The process of realizing girih mode in wood distinguishes itself from that of drawing. The first stages start with creating rectangular grid, which also serves as structural support. Then, bigger and smaller patterns are added to the constructed frames. Source: Monograph: orosi, Habib, F.; Sherkat, F.; Safar Irani ,A.; Ghahremani; A., 1985. Shahid Beheshti University, Tehran, Iran.

Report generated on: 02-27-2013 at : 13:46:58

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: *against 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



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: Hooman Koliji

Description of item under review for fair use: Fig. 3.16. The construction of girih window (same window in Fig. 3.14.) in perspectival view. Details of carved areas in rectangular frames to engage cross wood bars. Tongue-and-groove joints are employed to join wood members and glue is applied to harden. Wood members in the smaller patterns could be as thin as 10-15 by 20-30millimeters. The line drawing girih, being a more subtle matter compared to wood, is not involved with this level of construction considerations.

Report generated on: 02-27-2013 at : 13:47:28

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

Your consideration of the nature of the copyrighted work you used weighs: *against 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



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.17. Schematic design for a cast metalwork door with star-and-polygon patterns. Ismael b. al-Razzaz al-Jazari. From his "Kitab fi Marifat al-Hayat al Handasiya" (book on the knowledge of ingenious mechanical devices), Diyarbakir, 1206, watercolor and ink on paper, (MS A.3472, Vols. 165v-166r.-). Source: Necipoglu, G. 1995. A second version of this drawing exists in the translation of his book titled: "The Book of Knowledge of Ingenious Mechanical Devices" translated by Donald Hill, 1974.

Report generated on: 02-27-2013 at : 13:47:59

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: *against 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



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.18. Plan of a Turkish bath. Late 16th century (Osterreichische Nationalbibliothek, Vienna, Cod. 8615, Vol.151r.). Source: Necipolgu, G. 1986.

Report generated on: 02-27-2013 at : 13:48:31

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: *against 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*



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.19. Left: Partial plan of an Ottoman royal palace with windows marked as checkered grid, 15th century (Topkapi Palace Museum). Right: Plan of a bathhouse with arched windows shown on plan, 16th century (Topkapi Palace Museum). Source: Necipoglu, G., 2005.

Report generated on: 02-27-2013 at : 13:49:02

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: *against 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*



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.20. Behzad, Joseph Escaping from Zuleukha, from Bustan by Saadi, c.1488. (National Library Cairo fol.52v of abad farsi 908). Shown here is Joseph escaping Zuleikha, while she had locked all the doors and windows of the empty palace. Joseph (shown with sacred fire sign over his head) manages to escape. The palace numerous windows and doors as well as passageways are shown here in one single image. All the doors and windows are girih work.

Report generated on: 02-27-2013 at : 13:49:40

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: *against 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



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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: Hooman Koliji

Description of item under review for fair use: Fig. 3.24. Vegetal pattern in orosi window. Aminiha Hosseiniyeh, Qazvin, Iran. Vegetal forms in Orosi, while still semi-abstract, suggest a direct reference to the world of phenomena. This can be interpreted as mimetic act, in Gamader's sense. It is not a replica but a recreates and representing it in a new thing.

Report generated on: 02-27-2013 at : 13:50:20

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: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.25. Left: Globuar light fixtures in a mosque in Cairo. The analogy of the light bulb is continually employed in the design of mosuqe strcutures. Right: Tabatabaie House, Kashan, Iran. Patterns of projected light through the girh window reveals the window as a magical screen between two worlds.

Report generated on: 02-27-2013 at : 13:50:58

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: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.26. Left: Color, as a second layer, influences the reading of the girih window. By grouping and associating certain forms in the geometric pattern, the overall appearance of the girih window becomes analogous to a garden drawn abstractly. Right: vegetal forms in orosi window become allegories, a visible signifier for a garden.

Report generated on: 02-27-2013 at : 13:51:39

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: *against 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

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



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.27. Dawlat Abad Garden, Yazd, Iran. The window from inside offers a view opening to the garden outside and an allegorical garden on the surface of the screen.

Report generated on: 02-27-2013 at : 13:52:18

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: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.28. Left: Orosi offers literal view and filtered view to the outdoor environment. Right: Study diagrams of the two simultaneous views to the garden.

Report generated on: 02-27-2013 at : 13:52:47

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: *against 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*



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Name: Hooman Koliji

Description of item under review for fair use: Fig. 3.30. Left: Bruno Taut's Glass Pavilion with the interior space lit. Right: House in Yazd with the interior space lit.

Report generated on: 02-27-2013 at : 13:53:17

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: *against 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*



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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.1 Fragments of the San'a manuscript showing plan-facades of the san'a mosque with the greenery surrounding it. c. 8th- century?, Left:

<http://www.saudiaramcoworld.com/issue/200601/the.secret.gardens.of.sana.a.htm> Right:

<http://www.cabinetmagazine.org/issues/13/cook.php>

Report generated on: 02-27-2013 at : 13:54:05

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: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.2. Scene in a mosque; illustration from the 7th maqama of al-Hariri Maqamat, manuscript copied and illustrated by al-Wasiti, executed in Baghdad 1237. MS. ar. 5847 f. 18v., the Bibliothèque Nationale, Paris. From: "Maqamat al-Hariri, Kuttab School [Painting]," in Children and Youth in History, Item #243, <http://chnm.gmu.edu/cyh/primary-sources/243> (accessed September 6, 2011). Annotated by Susan Douglass.

Report generated on: 02-27-2013 at : 13:54:35

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

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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



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.3. Miniature drawing (ca. 1410), Istanbul Universitesi Kutuphanesi, MS F. 1418, fol. IV. (from Necipoglu 1995). This drawing represents architectural space in semi-isometric and planar views. The drawing shows Nasir al-Din Tusi, polymath and promoter of the idea of mundus imaginalis, and his colleagues at Maraqa observatory. While the drawing provides some detailed information regarding the lattice windows, dome's construction, and more, it is an imaginative depiction of the space as it exceeds the limitations of the sight.

Report generated on: 02-27-2013 at : 13:55:01

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: *against 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

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

favor of fair use



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.4. Left: Circumcision ceremony parade of royal architects at the Hippodome with a model of the Suleymaniey, c.1582, watercolor on paper, from Intizami Surnama (Topkapi Palace Museum). Right: Model of Medina Mosque, Ottoman Sultan Abd al-Majid. c. 1839- 1861 (Topakpi Palace Museum). Photograph by the author. Both the illustration and the extant model indicate that Ottoman architects used models as means of presenting the design to the Sultan or constructing a model of an existing building.

Report generated on: 02-27-2013 at : 13:55:35

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: *against 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

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favor of fair use



Draft 09/01/2009

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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.5. Plan of the Abal Ata covert presenting three options, Black ink and red watercolor, (Topkapi Palace Museum), Source: Necipolgu, G. 2005: 169.

Report generated on: 02-27-2013 at : 13:55:59

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: *against 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

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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.6. Example of the geometric mode of drawing, interlocking patterns (from a Tashkent scroll), used as instructional architectural drawings from the 16th century, ink on paper, (Tashkent Institute of Oriental Studies, Uzbek Academy of Sciences). Source: Necipoglu, 1995.

Report generated on: 02-27-2013 at : 13:56:26

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: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.7. Mosaic Ornament, Khirbat al-Mafjar, 8th century ?, Mosaic panel indicating ideas of interlocking pattern as knot in a more literal form. Source: Grabar, O. 1992: 115.

Report generated on: 02-27-2013 at : 13:56:53

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

Your consideration of the nature of the copyrighted work you used weighs: *against 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*



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Virginia Tech ETD Fair Use Analysis Results

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Name: Hooman Koliji

Description of item under review for fair use: Fig. A.8. Left: Illuminated frontpiece of Ibn al-Bawwab Koran, Baghdad. colored inks with gold on paper, ca. 1000-1001 (Chester Beatty Library, Dublin, MS K.16. fol. 8r.), Source: Necipoglu, G. 1995. This illumination features one of the early appearances of the geometric mode of girih. Right: Illuminated end page of al-Bawwab Koran, Baghdad. colored inks with gold on paper, ca. 1000-100 (Dublin, Chester Beatty Library K.16. fol. 285r.), Source: Grabar, O. 2009. Signs of vegetal girih forms in curvilinear forms indicates that perhaps the geometric girih form derived from vegetal knot forms that existed in Umayyad's time.

Report generated on: 02-27-2013 at : 13:57:21

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: *against 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

