

**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](mailto: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: Marcel C. Remillieux

Description of item under review for fair use: Figure 1.1: Sonic boom generation, propagation, and evolution; Source: K. J. Plotkin, "State of the Art of Sonic Boom Modeling," Journal of the Acoustical Society of America, 111(1), 2002.

Report generated on: 04-07-2010 at : 12:22:02

### **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***

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Name: Marcel C. Remillieux

Description of item under review for fair use: Figure 1.3: a) "Supersonic" and b) "Subsonic" baseline Gulfstream SBJ configurations; Source: A. Bucovsky, J. Eyer, and D. Mavris, "Design Space Exploration for Boom Mitigation on a Quiet Supersonic Business Jet," AIAA's 3rd Annual Aviation Technology, Integration, and Operations (ATIO) Forum, Denver, CO, November 17-19, 2003. AIAA 2003-6802.

Report generated on: 04-07-2010 at : 12:03:04

### **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: Marcel C. Remillieux

Description of item under review for fair use: Figure 1.4: The baseline F-5E and modified F-5 SSBD aircraft; Source: J. Morgenstern, A. Arslan, V. Lyman, and J. Vadyak, "F-5 Shaped Sonic Boom Demonstrator's Persistence of Boom Shaping Reduction Through Turbulence" 43rd AIAA Aerospace Sciences Meeting and Exhibit, Reno, NV, January 10-13, 2005. AIAA-2005-12

Report generated on: 04-07-2010 at : 11:53:35

### **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*

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Name: Marcel C. Remillieux

Description of item under review for fair use: Figure 1.5: Photograph of an F-15B in flight with quiet spike attached; Source: Photograph taken by Carla Thomas from the NASA Dryden Flight Research Center, [http://www.dfrc.nasa.gov/Gallery/Photo/Quiet\\_Spike/HTML/ED06-0184-10.html](http://www.dfrc.nasa.gov/Gallery/Photo/Quiet_Spike/HTML/ED06-0184-10.html)

Report generated on: 04-07-2010 at : 11:58:20

### **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*

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Description of item under review for fair use: Figure 1.6: Quiet Supersonic Transport in development by Lockheed Martin and Supersonic Aerospace Institute; Source: E. Hagerman, "All Sonic, No Boom: New York to LA in Two Hours, Quietly," Popular Science Magazine, March 2007.

Report generated on: 04-07-2010 at : 12:00:01

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