# Cost Effective Rollover Mitigation Strategy

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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: Shawn Schneider

Description of item under review for fair use: Figure 2.1. Fish Hook Maneuver as Defined by the National Highway Traffic Safety Administration. Source: Forkenbrock, Garrick J., et al. A Comprehensive Experimental Examination of Test Maneuvers That May Induce On-Road, Untripped, Light Vehicle Rollover - Phase IV of NHTSA's Light Vehicle Rollover Research Program. National Highway Traffic Safety Administration. East Liberty, OH: US Department of Transportation, 200. pp. 111-137, NHTSA Final Report. DOT HS 809 513

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**Figure B.1. Fair Use Analysis of A Comprehensive Experimental Examination of Test Maneuvers That May Induce On-Road, Untripped, Light Vehicle Rollover - Phase IV of NHTSA's Light Vehicle Rollover Research Program [2]**

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Name: Shawn Schneider

Description of item under review for fair use: Figure 2.3. Actual Vehicle Roll versus Vehicle Roll Estimated by Lateral Acceleration in Simulation Source: Detection of Vehicle Rollover. Hac, Aleksander, Brown, Todd and Martens, John. Detroit: SAE International, 2004. SAE World Congress. SAE 2004-01-1757.

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**Figure B.2. Fair Use Analysis of Detection of Vehicle Rollover [4]**

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Name: Shawn Schneider

Description of item under review for fair use: Figure 2.5. Forces on Vehicle During Hard Cornering with Differential Braking. Source: A Method for Reducing On-Road Rollovers -- Anti-Rollover Braking. Wielenga, Thomas J. Detroit: SAE International, 1999. International Congress and Exposition. SAE 1999-01-0123.

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**Figure B.3. Fair Use Analysis of A Method for Reducing On-Road Rollovers -- Anti-Rollover Braking [21]**

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Name: Shawn Schneider

Description of item under review for fair use: Figure 3.1. Rigid Body Model with Appropriate Reaction Forces. Source: Gillespie, Thomas D. Fundamentals of Vehicle Dynamics. Warrendale, PA: Society of Automotive Engineers, Inc., 1976, pp. 309-333.

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**Figure B.4. Fair Use Analysis of Fundamentals of Vehicle Dynamics [28]**