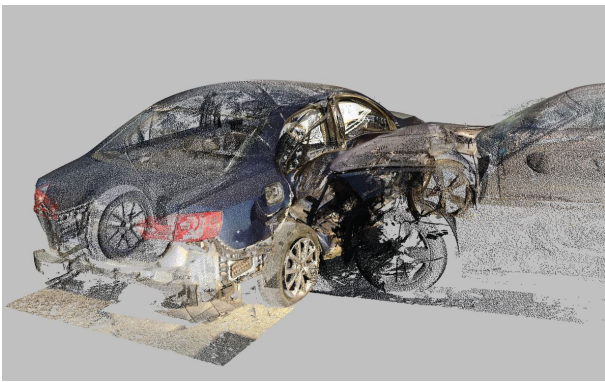


Damage and Energy Analysis for Collision Reconstruction

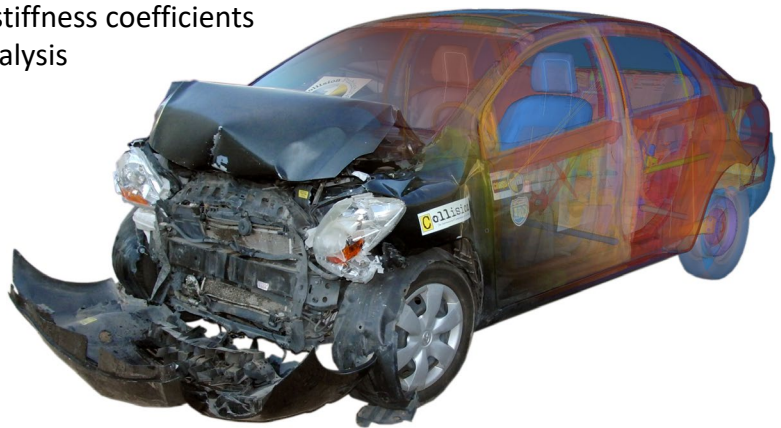
The Damage and Energy Analysis for Collision Reconstruction Course offers the collision reconstructionist the exposure to the underlying concepts and relationships between damage, energy, delta-v and barrier equivalencies.



Through in-class lecture as well as group and individual exercises, those attending this course will better understand the function and process of vehicle measurement and documentation for "crush" damage and how to find information for and then calculate stiffness coefficients. The history of the core "CRASH3" model and both its assets and limitations as well as a generalized overview of the process of the model are examined. Measurement techniques as hands-on activities and calculation examples are used as in-class activities.

Major course topics include:

- Identifying similarities and difference between BEV, delta-v, and Impact Velocity
- Damage measuring protocol and techniques
- Outdoor project interpreting and measuring damage
- Calculating, finding, and understanding stiffness coefficients
- Conservation of energy concepts and analysis
- Closing velocity analysis
- Energy-based delta-v analysis
- Damage (Crush Analysis)
- Hands-on case studies
- ...and more!



Tuition: \$750 (USD) per person

Contact to schedule this course: W. R. "Rusty" Haight

Collision Safety Institute

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Locations for upcoming classes,
course content details, and more
all available at
www.collisionsafety.net