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## Methodologies for crash reconstruction and data comparison.

Shahabaz Afraj

Technische Hochschule Ingolstadt

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In the automobile industry, the development of passive safety system is a very crucial domain of engineering. The effectiveness of this system has to be achieved by continuous testing and validation. Hence, data models that can mathematically represent the various responses of vehicle crash behavior are fundamental necessities for the analysis. Within the scope of our presentation we explore different methodologies to arrive at the required parameters in the analysis of a crash scenario, mainly crash tests in controlled environment and on-road vehicle crashes using different approaches.

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