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**TMCE 2000** Imre Horváth,Anthony J. Medland,Joris S. M. Vergeest,2000      Proceedings of the 16th International Modal Analysis Conference Alfred L. Wicks,Society for Experimental Mechanics (U.S.),1998      **Journal of Polymer Engineering** ,2004      Proceedings American Society for Engineering Education. Conference,1988      **Automotive Engineering International** ,2003      Aerospace Engineering ,2004      **Science and Engineering** ,1985      **Automotive Simulation** Moshe R. Heller,1989 This book is a collection of reports by leading experts presenting the state of the art in automotive simulation robot drivers and driving simulators It covers highly qualified mathematical modelling tools including solvers the use of new computer hardware and the combination of tools and hardware to create realistic models which correlate with testing and experimental data Two new approaches in car design are described here one from the area of safety and crashworthiness and the other covering riding comfort and aerodynamics In this area software tools play a major role and artificial intelligence methods are employed to help the user handle complexity Automotive simulation is a new technique in a century old industry which has until now been based on building and testing prototypes

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