NUMERICAL SIMULATION OF THE IMPACT BEHAVIOR OF AN ENGINE MOUNTING /  
SIMULAREA NUMERICA A COMPORTARII LA IMPACT PENTRU UN SUPPORT MOTOR  

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Abstract: The paper refers to the study of the impact behavior of a motor mounting, but at the same time the calculus method can be used also for the cast parts used in agricultural machines. The objective of the work was to simulate the impact behavior of the part, to highlight its breaking areas. There were performed several numerical simulations which results were compared with the experimental measurements performed on test stands. We used FEM for calculation and the PAMCRASH application.  

Keywords: impact, engine mounting, breaking, Finite Element Method  

Cuvinte cheie: impact, suport motor, ruptura, metoda elementelor finite