

## EVALUATION OF THE INFLUENCE FOR THE COMPONENTS OF A MULTILAYERED HONEYCOMB COMPOSITE MATERIAL SUBJECTED TO COMPLEX STATIC LOADING

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**Rezumat:** Scopul acestui articol este studiul influenței componentelor unui material compozit multi-strat cu miez de tip fagure asupra modului de preluare a unei sarcini statice complexe, în domeniul liniar elastic. Pentru efectuarea acestui studiu s-a folosit simularea numerică, iar rezultatele obținute au fost validate prin cale experimentală.

**Abstract:** The purpose of these article is the evaluation of the influence of the components of a multilayered honeycomb composite material, about the load carrying capacity, when the material is subjected to a complex static loading, in the linear elastic domain. The numerical simulation approach was used for these study, and the results were validated experimentally.

**Keywords:** multilayered honeycomb structure components, numerical simulation, experimental validation

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