

عنوان مقاله:

Numerical Investigation of Lead Bullet Collision on Copper / Aluminum / Copper Sandwich Panels by Finite Element Method

محل انتشار:

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خلاصه مقاله:

In this study, the finite element method was used to simulate a three-layer sandwich structure. The numerical results are in good agreement with the experimental results. The results of finite element analysis for different speeds were investigated and shown. By increasing the speed of the bullet and increasing its energy, the rate of degradation is increased and at high speeds the bullet can penetrate the structure by overcoming the top surface of the structure and by crossing the copper layer and causing the surface to become obscured. Important point in all impacts is to increase the structural rigidity until the stress value reaches its maximum

کلمات کلیدی:

Sandwich Structures, Copper/Aluminum/Copper, Finite Element Method

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