

عنوان مقاله:

The Dynamic Analysis of Explosive Loads of Steel Plates

محل انتشار:

کنفرانس بین المللی پژوهش در مهندسی، علوم و تکنولوژی (سال: 1394)

تعداد صفحات اصل مقاله: 20

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خلاصه مقاله:

An explosion is defined as a sudden, large-scale and quick release of energy. One of the reasons of retrofitting of structures is disruptive effects of environmental conditions, increase of structural load, design and computational errors, frequent modification of regulations and better knowledge of the nature of seismic forces and explosive forces compared with the past along with susceptibility of the buildings against impact, explosion and fire. In the present study, a numerical analysis of a steel plate is done through different arrangement of stiffeners and based on history of explosive loading in Abaqus Software. The diagrams of deformation and energy of steel plate as well as the comparison of results for different arrangements of the stiffeners are also represented.

کلمات کلیدی:

explosive loading, steel plate, dynamic analysis

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<https://civilica.com/doc/398455>

