

عنوان مقاله:

Reliability Analysis of Barrel Vaults Elliptic Shapes Based on Integral Loading Ultimate State

محل انتشار:

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خلاصه مقاله:

This paper makes a reliability analysis of double layer barrel vaults elliptic shape based on integral loading ultimate state. Double nonlinear numerical model is established based on finite element software of ANSYS to chase the ultimate loading capacity of the structure and confirm the failure mode of the structure; by the deep research and discussion for the double layer barrel vaults elliptical shape based on integral loading ultimate state, the scope of structural reliability index and sensitivity degree of various parameters to the reliability are obtained and the measures for improving reliability are proposed.

کلمات کلیدی:

Barrel Vaults Elliptical Shapes, Ultimate Loading Capacity, Reliability Analysis, Ansys

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