عنوان مقاله:

A Proposal on Effective Thickness for Strength Evaluation of Corroded Steel Plates under In-plane Compression

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خلاصه مقاله:

Evaluation of ship and marine structures ultimate strength by smith and ISUM methods is very dependent on average stress - average strain relationship of members. In this paper , behavior of random corroded steel plate under in - plane compression was investigated. Different corrosion thickness and standard deviation were studied to propose equvalent uncorroded thickness of plates. Regarding to obtained behavior of different models parameters, uniform mean thickness corrosion can be used to evaluate plate mean relationship of random corroded plates.

کلمات کلیدی:

Ultimate Strength, Random Corrosion,Buckling

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