عنوان مقاله:

A Study on Combination of von Mises and Tresca Yield Loci in Non-associated Viscoplasticity

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خلاصه مقاله:

In this study, a non-associated viscoplastic flow rule (NAVFR) with combining von Mises and Tresca loci in place of yield and plastic potential functions and vice verse is presented. It is shown that theproposed NAVFR can be adopted to forecast the experimental events more accurate than theconventional associated viscoplastic flow rules (AVFR). This outcome obtained with the aid of fully implicit time stepping scheme and discussing the other studies on plastic potential flow rules and also experimental results.

کلمات کلیدی:

Viscoplastic,Thick Walled Cylinder,Time Stepping Scheme,Internally Pressurized,

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