Abstract

In the present study, a thick walled cylinder with a semi elliptical crack located at the inner surface is considered. Weight functions for the surface and the deepest point of an internal semi elliptical crack in a thick-wall cylinder were derived from a general weight function and two reference weight the paper are valid for cylinders with an inner radius to wall thickness ratio, Ri/t = 4. complex stress fields. All stress intensity factor expressions given in several linear and nonlinear.
References

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Index Terms

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Keywords

Weight Function  Stress Intensity factor  Thick-walled cylinder  stress intensity factors