

hadidi@ferdowsi.um.ac.ir

hadimakari@yahoo.com

Kendall & Underwood [1]

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Knowles & Green [5]

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mm

(k = /

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MPa

MPa

mm

mm

mm

(MPa)

ABAQUS

A533B

(Hoop crack)

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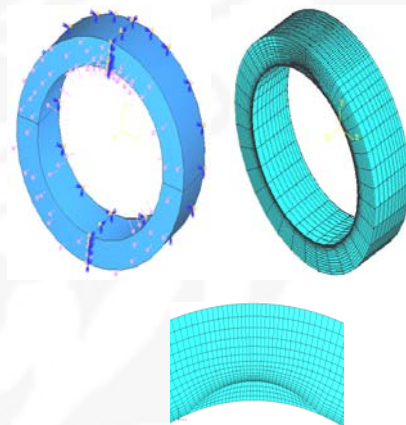
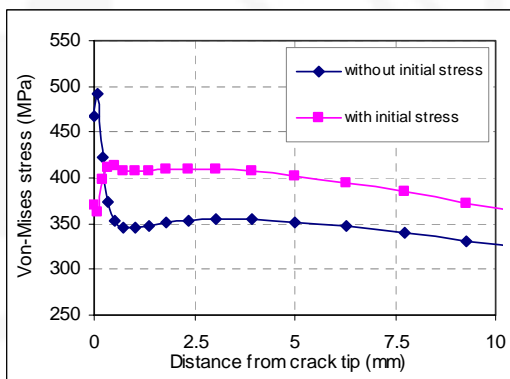
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(, mm)

$\frac{1}{8}$

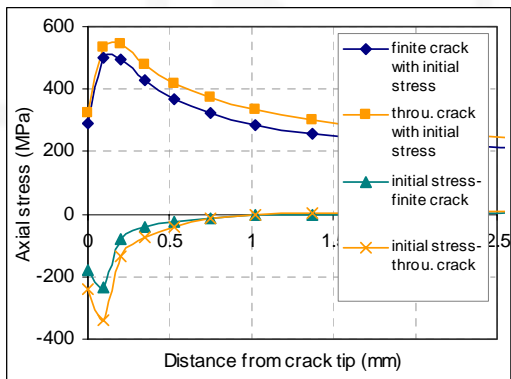
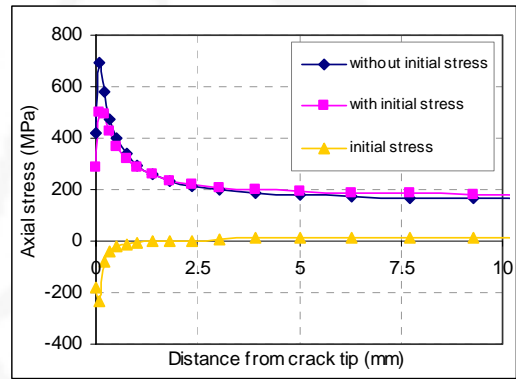
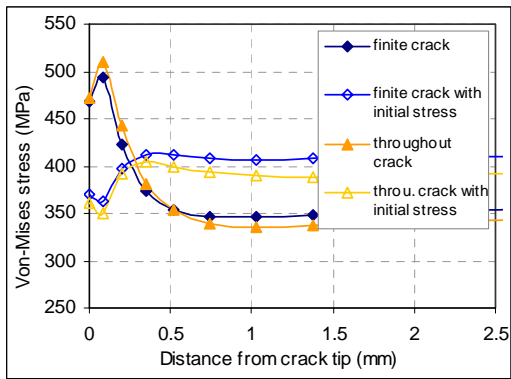


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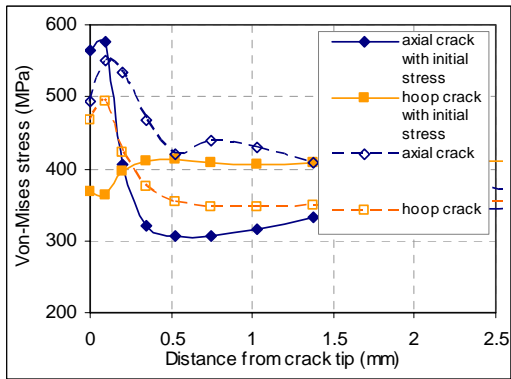
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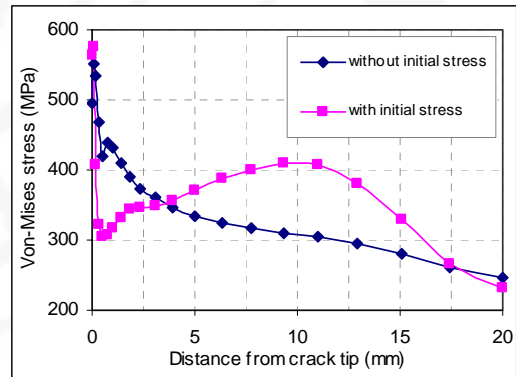
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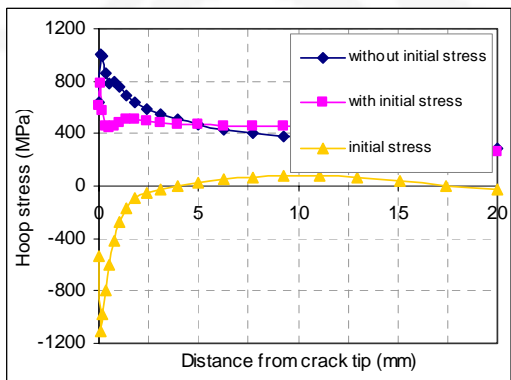
(Axial crack)



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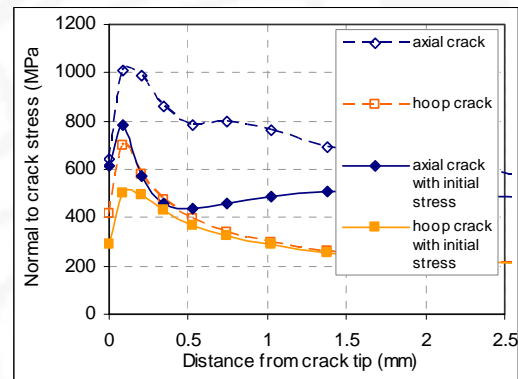


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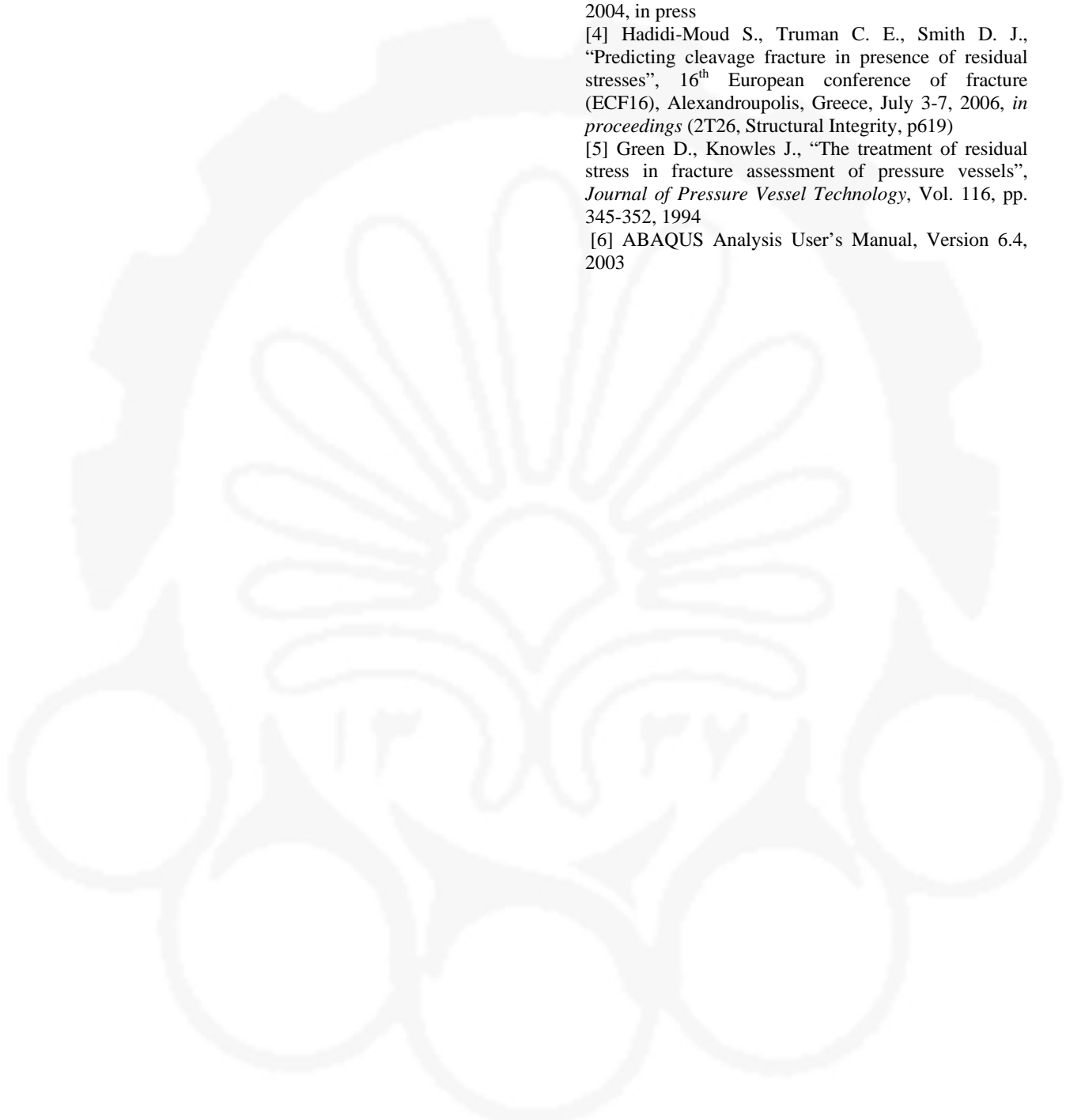


	(MPa)	(MPa)

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[1] Underwood J. H., Kendall D. P., "Fracture analysis of thick-wall cylinder pressure vessels", *Theoretical and Applied Fracture Mechanics*, Vol. 2, pp. 47-58, 1984

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- [5] Green D., Knowles J., "The treatment of residual stress in fracture assessment of pressure vessels", *Journal of Pressure Vessel Technology*, Vol. 116, pp. 345-352, 1994
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