Erratum

Stress and Displacement Singularities near Corners

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Write Eqn. (7) in the form:

$$|A_{ij}| = 0 \quad (i, j = 1, 2, 3, 4)$$

where the coefficients A_{ij} are given by:

$A_{11} = (1 - \Gamma)(\cos 2\lambda\varphi_1 + \lambda \cos 2\varphi_1 - \lambda) + \Gamma(1 + u_1) \cos 2\lambda\pi - (1 + \Gamma u_1)$

$A_{12} = (1 - \Gamma)(\sin 2\lambda\varphi_1 - \lambda \sin 2\varphi_1) + \Gamma(1 + u_1) \sin 2\lambda\pi$

$A_{13} = -(1 - \Gamma)[\cos \lambda(\varphi_1 + \varphi_2) + \lambda \cos 2(\lambda\pi + \varphi_2) - \lambda \cos 2\lambda\pi]$
$\qquad - (\Gamma + u_2) \cos 2\lambda\pi + (1 + u_2)$

$A_{14} = -(1 - \Gamma)[\sin \lambda(\varphi_1 + \varphi_2) - \lambda \sin 2(\lambda\pi + \varphi_2) + \lambda \sin 2\lambda\pi] - (\Gamma + u_2) \sin 2\lambda\pi$

$A_{21} = (1 - \Gamma)(\sin 2\lambda\varphi_1 + \lambda \sin 2\varphi_1) + \Gamma(1 + u_1) \sin 2\lambda\pi$

$A_{22} = -(1 - \Gamma)(\cos 2\lambda\varphi_1 - \lambda \cos 2\varphi_1 + \lambda) - \Gamma(1 + u_1) \cos 2\lambda\pi + (1 + \Gamma u_1)$

$A_{23} = -(1 - \Gamma)[\sin \lambda(\varphi_1 + \varphi_2) + \lambda \sin 2(\lambda\pi + \varphi_2) - \lambda \sin 2\lambda\pi] - (\Gamma + u_2) \sin 2\lambda\pi$

$A_{24} = (1 - \Gamma)[\cos \lambda(\varphi_1 + \varphi_2) - \lambda \cos 2(\lambda\pi + \varphi_2) + \lambda \cos 2\lambda\pi]$
$\qquad + (\Gamma + u_2) \cos 2\lambda\pi - (1 + u_2)$

$A_{31} = \Gamma[(1 - \Gamma)(u_1 \cos 2\lambda\varphi_1 - \lambda \cos 2\varphi_1 + \lambda) - (1 + u_1) \cos 2\lambda\pi + (1 + \Gamma u_1)]$

$A_{32} = \Gamma[(1 - \Gamma)(u_1 \sin 2\lambda\varphi_1 + \lambda \sin 2\varphi_1) - (1 + u_1) \sin 2\lambda\pi]$

$A_{33} = -(1 - \Gamma)[u_2 \cos \lambda(\varphi_1 + \varphi_2) - \lambda \cos 2(\lambda\pi + \varphi_2) + \lambda \cos 2\lambda\pi]$
$\qquad + (\Gamma + u_2) \cos 2\lambda\pi - \Gamma(1 + u_2)$

$A_{34} = -(1 - \Gamma)[u_2 \sin \lambda(\varphi_1 + \varphi_2) + \lambda \sin 2(\lambda\pi + \varphi_2) - \lambda \sin 2\lambda\pi]$
$\qquad + (\Gamma + u_2) \sin 2\lambda\pi$

$A_{41} = \Gamma[(1 - \Gamma)(u_1 \sin 2\lambda\varphi_1 - \lambda \sin 2\varphi_1) - (1 + u_1) \sin 2\lambda\pi]$

$A_{42} = \Gamma[-(1 - \Gamma)(u_1 \cos 2\lambda\varphi_1 + \lambda \cos 2\varphi_1 - \lambda) + (1 + u_1) \cos 2\lambda\pi - (1 + \Gamma u_1)]$

$A_{43} = -(1 - \Gamma)[u_2 \sin \lambda(\varphi_1 + \varphi_2) - \lambda \sin 2(\lambda\pi + \varphi_2) + \lambda \sin 2\lambda\pi]$
$\qquad + (\Gamma + u_2) \sin 2\lambda\pi$

$A_{44} = (1 - \Gamma)[u_2 \cos \lambda(\varphi_1 + \varphi_2) + \lambda \cos 2(\lambda\pi + \varphi_2) - \lambda \cos 2\lambda\pi]$
$\qquad - (\Gamma + u_2) \cos 2\lambda\pi + \Gamma(1 + u_2)$