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Disclinations in an Anisotropic Plate and Their Applications to Fracture Mechanics

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Highlights

- Elastic fields of twist disclinations in an anisotropic elastic plate are derived in the context of Kirchhoff's plate theory.
- The solution of twist disclinations is utilized to develop a new numerical method for general anisotropic cracked plates containing an arbitrary array of cracks under bending or twisting.

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