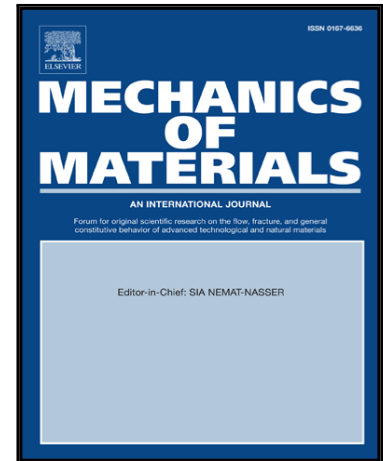


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Extended Isogeometric Analysis for Dynamic Fracture in Multiphase Piezoelectric/Piezomagnetic Composites

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Highlight

- We present new numerical results of transient responses of cracks in piezoelectric/piezomagnetic composites
- A dynamic isogeometric analysis based on NURBS enhanced by enrichments is developed.
- Multiple two-parallel cracks clearly reveal finite size effects in dynamic fracture
- Influences of polarization, finite size, loading conditions, etc. on the transient responses are significant.
- High accuracy of transient dynamic response for single and mixed-mode cracks is obtained

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