Peeling of thick adhesive interfaces: the role of dynamics and geometrical nonlinearity

Gregorio Mariggiò, José Reinoso, Marco Paggi, Mauro Corrado

PII: S0093-6413(18)30300-8
DOI: https://doi.org/10.1016/j.mechrescom.2018.08.018
Reference: MRC 3310

To appear in: *Mechanics Research Communications*

Received date: 12 June 2018
Revised date: 31 July 2018
Accepted date: 26 August 2018

Please cite this article as: Gregorio Mariggiò, José Reinoso, Marco Paggi, Mauro Corrado, Peeling of thick adhesive interfaces: the role of dynamics and geometrical nonlinearity, *Mechanics Research Communications* (2018), doi: https://doi.org/10.1016/j.mechrescom.2018.08.018

Highlights

- Peeling test is used to investigate the dynamic fracture along thick interfaces.
- Geometrical nonlinearity and mass are included in the cohesive interface formulation.
- Interface inertia and geometrical nonlinearity influence the cracking peak-load.
- Interface inertia and geometrical nonlinearity have remarkable effects on post-peak oscillations.