

Accepted Manuscript

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>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

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.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/10146792>

Download Persian Version:

<https://daneshyari.com/article/10146792>

[Daneshyari.com](https://daneshyari.com)