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Cylindrical indentation of an elastic bonded layer with surface tension

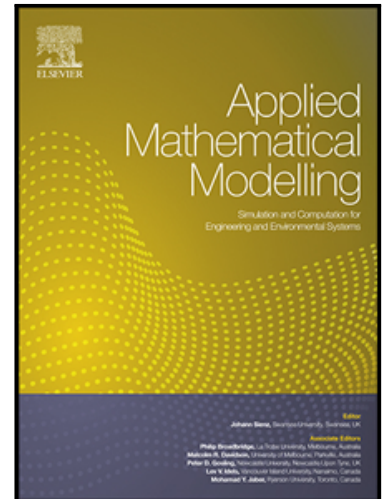
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PII: S0307-904X(18)30441-4  
DOI: <https://doi.org/10.1016/j.apm.2018.09.001>  
Reference: APM 12453

To appear in: *Applied Mathematical Modelling*

Received date: 19 October 2017  
Revised date: 8 August 2018  
Accepted date: 4 September 2018

Please cite this article as: Weike Yuan , Gangfeng Wang , Cylindrical indentation of an elastic bonded layer with surface tension, *Applied Mathematical Modelling* (2018), doi: <https://doi.org/10.1016/j.apm.2018.09.001>



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**Cylindrical indentation of an elastic bonded layer with surface tension**

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- Surface Green's function for an elastic bonded layer with surface tension is derived by using Fourier integral transform.
- Cylindrical indentation of an elastic bonded layer is analyzed incorporating both surface tension and layer thickness effects.
- Based on parametric analysis, the relation between indentation load and contact width is generalized.

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