

Accepted Manuscript

Large deformation analysis of gel using the complex variable element-free Galerkin method

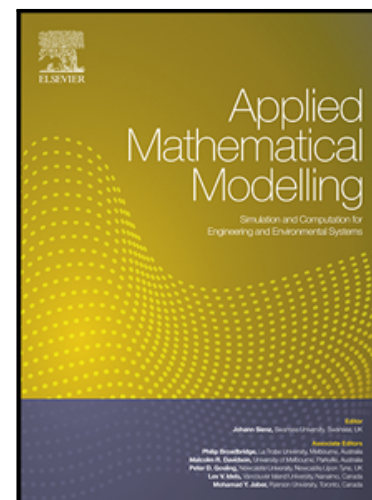
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PII: S0307-904X(18)30176-8
DOI: [10.1016/j.apm.2018.04.004](https://doi.org/10.1016/j.apm.2018.04.004)
Reference: APM 12243

To appear in: *Applied Mathematical Modelling*

Received date: 20 October 2016
Revised date: 28 March 2018
Accepted date: 5 April 2018

Please cite this article as: D.M. Li , Li-Rui Tian , Large deformation analysis of gel using the complex variable element-free Galerkin method, *Applied Mathematical Modelling* (2018), doi: [10.1016/j.apm.2018.04.004](https://doi.org/10.1016/j.apm.2018.04.004)



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Highlights

- The CVEFG method is applied to large deformation analysis of soft gel.
- The constitutive law and large deformation formulas for the multi-field equilibrium of gel are derived.
- The swell induced large deformation and surface instability of confined single gel layer are studied.

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