

High order contact detection between fibres

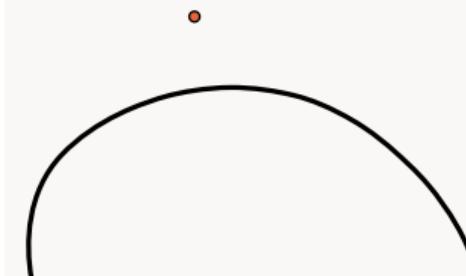
Emile Hohnadel Octave Crespel Thibaut Métivet Florence Bertails-Descoubes

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Motivation

- Evaluate contact forces in a fibrous assembly.
- Low order proxy is a source of spurious jumps in the force response.
- Propose an alternative algorithm to compute the closest point between pairs of curves.

Contact detection methods



Inria



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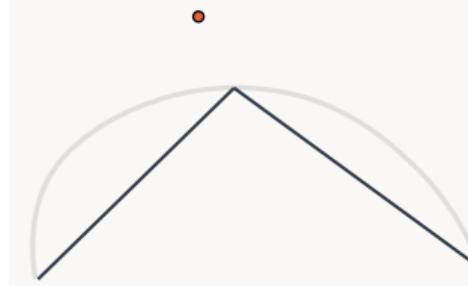
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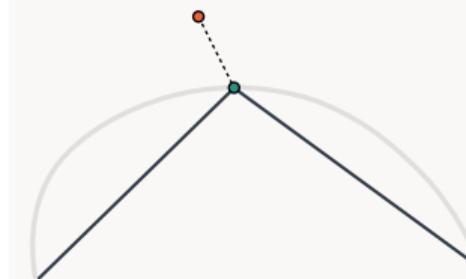
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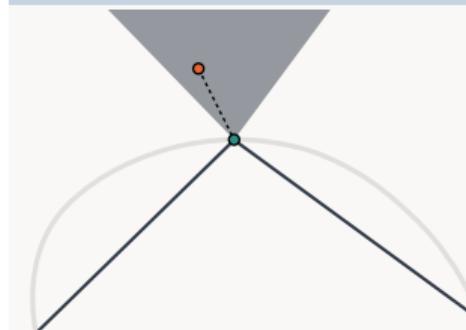
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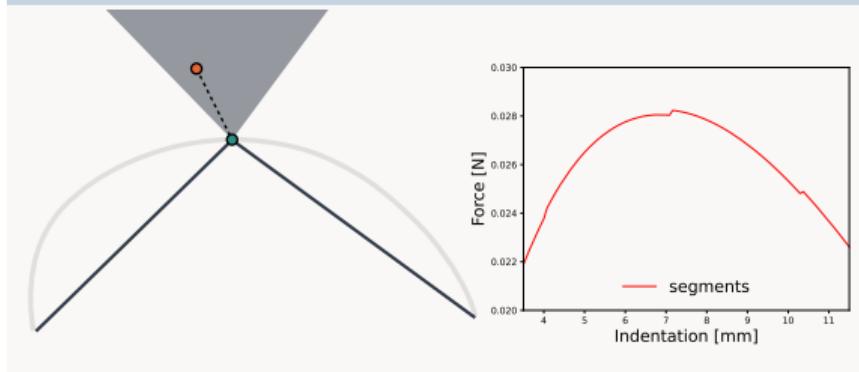
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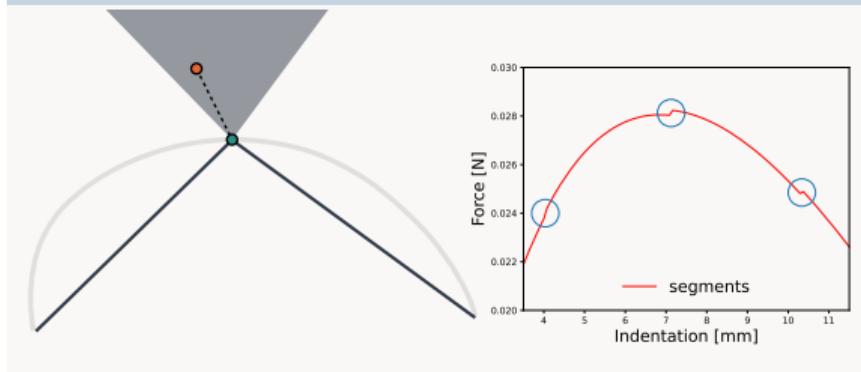
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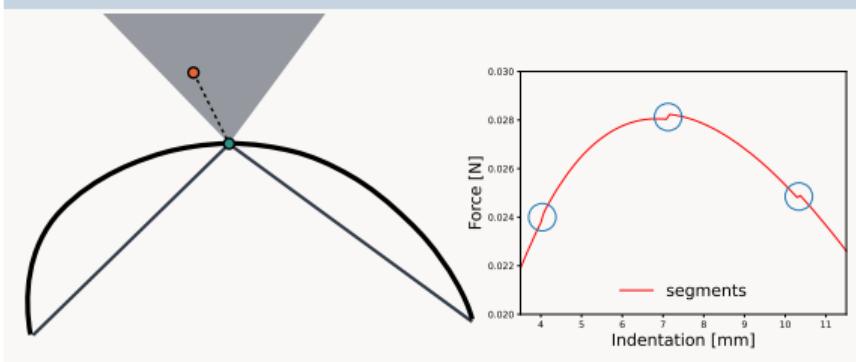
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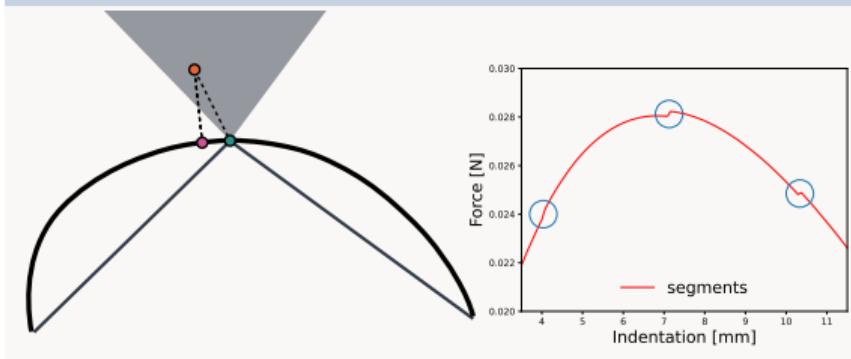
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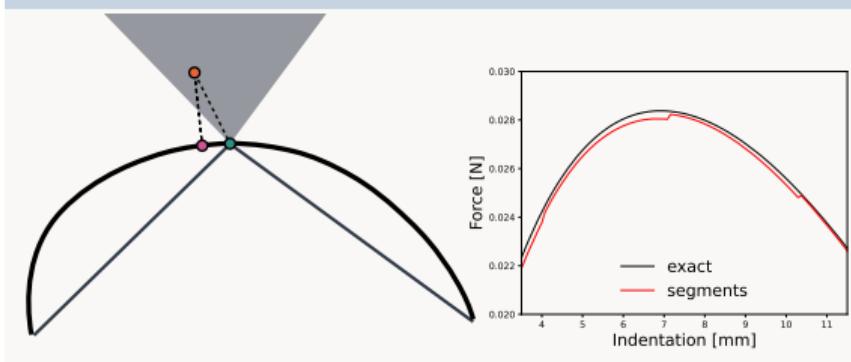
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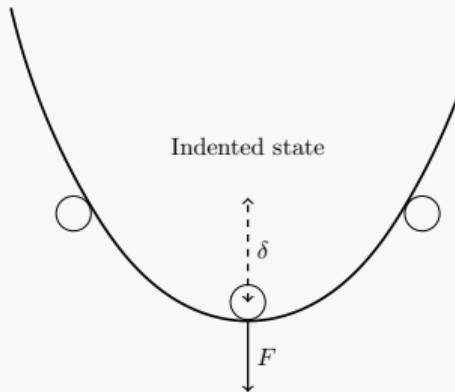
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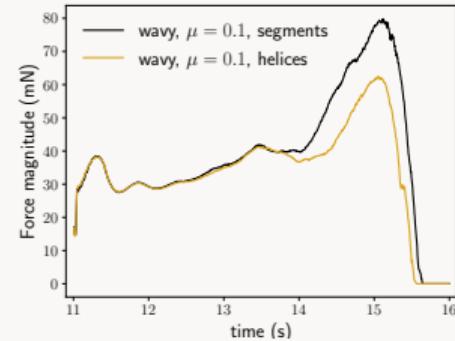
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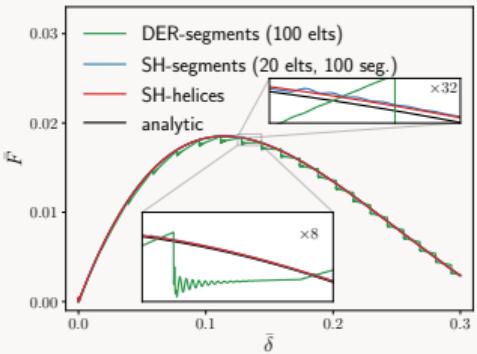
Curved three point test



Hair wisp combing



Bibliography



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