

**Some Problems in the Mathematics of Fracture:
Paths From Front Kinetics and a Level Set Method**

by

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A Dissertation

Submitted to the Faculty

of

WORCESTER POLYTECHNIC INSTITUTE

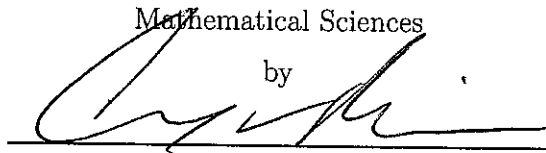
In partial fulfillment of the requirements for the

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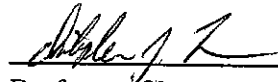
Mathematical Sciences

by

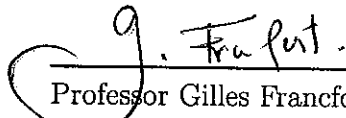


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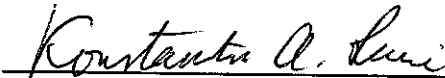
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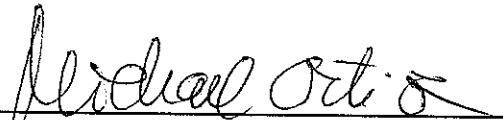
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