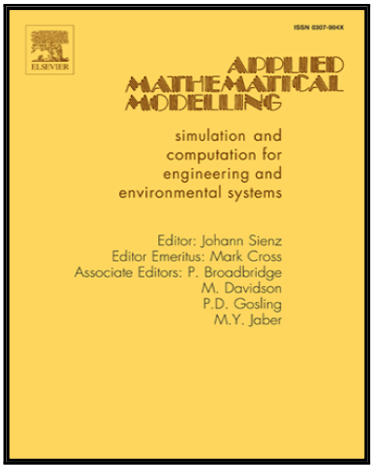
Accepted Manuscript



A Level Set Based Method for Fixing Overhangs in 3D Printing

Simone Cacace, Emiliano Cristiani, Leonardo Rocchi

PII: S0307-904X(17)30100-2
DOI: 10.1016/j.apm.2017.02.004
Reference: APM 11592

To appear in: *Applied Mathematical Modelling*

Received date: 11 January 2016
Revised date: 7 December 2016
Accepted date: 6 February 2017

Please cite this article as: Simone Cacace, Emiliano Cristiani, Leonardo Rocchi, A Level Set Based Method for Fixing Overhangs in 3D Printing, *Applied Mathematical Modelling* (2017), doi: 10.1016/j.apm.2017.02.004

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.

ACCEPTED MANUSCRIPT

Highlights

- A short review of math-oriented open problems in 3D printing in presented.
- A level-set method for fixing overhangs and avoid support structures is proposed.
- The new method is particularly efficient if used with soluble filaments.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/5471152

Download Persian Version:

https://daneshyari.com/article/5471152

Daneshyari.com