

University of Groningen

Fracture phenomena of disordered media

Chung, Jim

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2002

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Chung, J. (2002). *Fracture phenomena of disordered media: a computational approach*. s.n.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

10

ACKNOWLEDGEMENTS

I could not describe it in words, the many inspiring, the countless contributions and the profound influence of my promotor professor Jeff De Hosson on the whole process leading to this thesis. Therefore I'll try to capture my gratitude and appreciation in a typical Groninger way, being traditionally sparing with their words:

.....BEDANKT, JEFF!!

I will miss our scientific discussions as well as our inspiring and passionate debates about the physics behind our ideas.

CHAPTER 10

Further, thanks are due to my co-promotor professor Erik van der Giessen and the reading committee members, professors H. de Raedt, A. van Veen and D.O. Boerma for their interests and comments.

The work described in this thesis is part of the research program of the foundation for Fundamental Research on Matter (FOM Utrecht), has been supported by the Netherlands Organisation for Scientific Research (NWO-The Hague). The author is grateful to drs Botta and Van der Ploeg for providing us the matrix solver and to J.Kraak (HPC computing center University of Groningen) for assistance in the computer visualisation part.

The Applied Physics/Materials Science research group is not complete without its staff: Irene De Hosson, with unflagging energy professionally running the managerial office, Henk Bron, Paul Bronsveld, Jan Harkema, Bart Kooi, James Kuiper, George Palansantzas, Uko Nieborg, Klaas Post.

Vital to the group atmosphere for me, my colleagues phds and post-docs: Dimitri van Agterveld, Peter Balke, Menno van den Burg, Benno van Brussel, Nuno Carvalho (thanx 4 your style file), Patricia Carvalho, Durandus Dijken, Bas Groen, Marc-Jan de Haas, Hans Hegeman, Jacob Kerssemakers, Arjen Kloosterman, Ferry van Looyengood, Lodewijk de Mol van Otterloo, Vašek Ocelík, Yutao Pei, Ronald Popma, Erik Teeuw, Tiedo Tinga, Willem Pier Vellinga, Arjan Vreeling, Yanguo Wang, Tomáš Vystavěl, and Edzo Zoestbergen.

For the discussions and insights on the experimental world of highly porous ceramic extrudates, Jan-Jaap Aué.

For their support, drinks, opinion/insight on women/physics and the great hours of nerdism on Linux, my former room mates and their partners: Arjen Roos + Lisa Bertoluzza, Emiel Metselaar + Inge de Jong and Henk Haarsma.

I would also like to thank Arjen Roos for his Master thesis work on modelling the breaking of the spring networks. His work contributed to chapter 2 and the corresponding article, Phys B 54 15094/15100. I want to thank my other graduate

ACKNOWLEDGEMENTS

students, Harco Cleveringa and Hans van Eif, for their computer modelling work on grain boundaries and computer visualizations.

Of my present Company I would like to thank Leo de Vries and Aart Tieleman for their support: action speaks louder than words!

I am especially grateful to my parents, Cheun Lam Chung and Yuk Fong Chung Ling, for their love, support and financial contributions. They provided me all the means to complete my scientific education and the work described in this thesis.

Thanks are due:

To my sister Man-Yee Chung and brother Jim Ming Chung for their unconditional support throughout my;

To Sai Kau Yip, Yung Mui Li Chung, Tin Sang Li, Wil Broek and Piet Broek for providing me the wealth of a second home;

To Arnold Peter Broek, Johan M Broek, Margreet Bos for their encouragements, Ilona Hangyi for her understanding and for providing the right environment;

To Chui Yee (Noel) Leung, Ya Mei (Shelly) Li, Chih Wah (Chief) Li, Chih Ming Li, Gea de Vries for never being too tired to listen/phone;

To Joost Demmink for his comments on the Dutch summary and Sophie van Scherpenzeel for her advices about layout and for converting our first article into the chapter 2 Word document.

Last, but not least, for being around Lung Tchai and for still being around Hung Mauw.

CHAPTER 10