

## **UvA-DARE** (Digital Academic Repository)

<b>Bifurcations</b>	of in	difference	nointe	in	discrete	tima	ontimal	control	nrohleme
Diluications			<b>DOILITS</b>	111	<b>UI3CI ELE</b>	ullic	upulliai	COLLIGOR	<b>DI ODICILIS</b>

Moghayer, S.M.

Publication date 2012

Link to publication

Citation for published version (APA):

Moghayer, S. M. (2012). *Bifurcations of indifference points in discrete time optimal control problems*. [Thesis, fully internal, Universiteit van Amsterdam]. Thela Thesis.

## General rights

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), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: https://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

## Acknowledgements

It is a pleasure to thank the many people who made this thesis possible. It is difficult to overstate my gratitude to my PhD supervisor, Florian Wagener for his enthusiasm, inspiration, and excellent supervision during the four years of my PhD. Throughout my thesis-writing period, he provided sound advice, good teaching, and lots of great ideas. I would have been lost without him. I would also like to thank my promotor Cars Hommes for his support and the always positive-attitude.

For this dissertation I would like to thank my reading committee members: Henk Broer, Gustav Feichtinger, Ale Jan Homburg, Cees Diks, and Dieter Grass for their time and interest in reading this manuscript. I also thank the Tinbergen Institute and the University of Amsterdam for their generous financial support.

I am also grateful to the many people who taught me mathematics: my MRI master program teachers at Utrecht University, especially Brenny van Groesen, Stephan van Gils, and Arjen Doelman; my graduate teachers at Kerman University, especially my master thesis advisor Mohammad Reza Molaei; and all of my undergraduate teachers at Iran University of Science and Technology.

I am indebted to my many colleagues at CeNDEF for providing a stimu-

lating and fun environment in which to learn and grow. Thanks to Cees Diks,

Jan Tuinstra, Maurice Koster, Marius Ochea, Pim Heijnen, Michael Anufriev,

Domenico Massaro, and Te Bao. I am extremely grateful to Tatyana Kisel-

eva who was my classmate in Utrecht and my officemate at CeNDEF and

has been my best friend in Holland. Thanks to Tatyana for all the emotional

support, camaraderie, and caring she provided.

Outside CeNDEF my time in Amsterdam was made enjoyable in a large

part due to the many friends that became a part of my life. I am especially

grateful for time spent with Sara Ramezani, Vahid Hashemi, Arash Kamali,

Nabi Chegini, Kamelia Sadjadi, Arash Salek, Mahdi Jaghoori, Danial Ke-

shani, Marius Ochea, and Adina Luncan.

Lastly, I would like to thank my extended family for all their love and

encouragement. And most of all for my loving, supportive, encouraging, and

patient wife Andisheh whose faithful support during the final stages of this

PhD is so appreciated, and our levely sons Ilia and Aria. Thank you.

Saeed M Moghayer,

The Hague, December 2011

vi