

Preface

This material is based on the graduate level courses that the authors have given at the University of Michigan, University of Jyväskylä, and Charles University in Prague and on short courses by the authors at summer schools in Ischia and at the de Giorgi Center in Pisa. We thank the participants of these courses for their questions that have shaped the contents and for pointing out a number of mistakes in previous versions.

In order to make the topic accessible to a beginning graduate student, we have included a great number of details, especially in the first four chapters that can form a basis for a graduate course. Additionally, we have recorded all the necessary background material from real analysis and from the theory of Sobolev spaces that is not necessarily covered in undergraduate studies or in the basic graduate level real analysis courses. The later chapters partially cover very recent research, not included in the research monographs [4, 67] that we recommend for further reading.

Finally, we wish to thank our colleagues and graduate students, especially Sita Benedict, Daniel Campbell, Sebastiano Nicolussi Golo, Ville Kirsilä, Luděk Klepřík, Jan Malý, Gaven Martin, Jani Onninen, Kai Rajala, Eero Saksman, Ville Tengvall, and Aleksandra Zapadinskaya, for their pointed comments. The authors acknowledge the support of the following grants: ERC CZ grant LL1203 of the Czech Ministry of Education (S.H) and Academy of Finland grant number 131477 (P.K.).

Prague, Czech Republic
Jyväskylä, Finland
October 2013

Stanislav Hencl
Pekka Koskela

Lectures on Mappings of Finite Distortion

Hencl, S.; Koskela, P.

2014, XI, 176 p. 4 illus., Softcover

ISBN: 978-3-319-03172-9