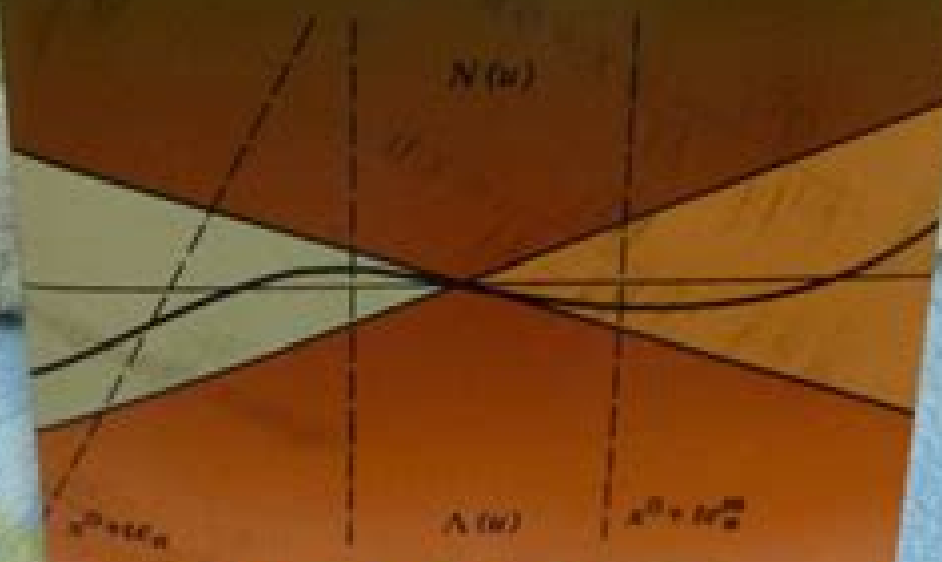


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Avner Friedman

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research mathematicians and advanced graduate students interested in problems with free boundaries

Emerging Applications in Free Boundary Problems J M Chadam, 2020-12-22 This Research Note presents a collection of papers on emerging applications in free boundary problems The subjects covered include microgravity chemical and biological reactions and electromagnetism and electronics

Numerical Methods for Free Boundary Problems VEITTAANMÄKI, 2013-11-22 About 80 participants from 16 countries attended the Conference on Numerical Methods for Free Boundary Problems held at the University of Jyväskylä Finland July 23-27 1990 The main purpose of this conference was to provide up to date information on important directions of research in the field of free boundary problems and their numerical solutions The contributions contained in this volume cover the lectures given in the conference The invited lectures were given by H W Alt V Barbu K H Hoffmann H Mittelmann and V Rivkind In his lecture H W Alt considered a mathematical model and existence theory for non isothermal phase separations in binary systems The lecture of V Barbu was on the approximate solvability of the inverse one phase Stefan problem K H Hoffmann gave an up to date survey of several directions in free boundary problems and listed several applications but the material of his lecture is not included in this proceedings H D Mittelmann handled the stability of thermo capillary convection in float zone crystal growth V Rivkind considered numerical methods for solving coupled Navier Stokes and Stefan equations Besides of those invited lectures mentioned above there were 37 contributed papers presented We shall briefly outline the topics of the contributed papers

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Free Boundary Problems Karl-Heinz Hoffmann, 1990

Free Boundary Problems, Theory and Applications Nobuyuki Kenmochi, 2000

Free Boundary Problems A. Bossavit, M. Fremond, 1985

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Topics in Free Boundary Problems and Phase Transitions Fernando Leiva Reitich, 1991

Sindh University Research Journal, 2008

Proceedings, 2008

Revista Matemática Iberoamericana, 2003

Conferenze Università di Bari. Seminario di matematica, 1994

Communications in Applied Analysis, 2004

Jahresbericht der Deutschen Mathematiker-Vereinigung Deutsche Mathematiker-Vereinigung, 2012

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