

*PROCEEDINGS OF
GÖKOVA GEOMETRY-TOPOLOGY
CONFERENCE 2007*

EDITORS

Selman AKBULUT

Department of Mathematics, Michigan State University
East Lansing, MI 48824, USA

Turgut ÖNDER

Department of Mathematics, Middle East Technical University
06531 Ankara, TURKEY

Ronald J. STERN

Department of Mathematics, University of California
Irvine, CA 92717, USA



Published by GGT and International Press



© Gökova Geometry-Topology Conferences

ISBN: 978-1-57146-107-0

Publisher: International Press

P.O. Box 43502

387 Somerville Ave.

Somerville, MA 02143 U.S.A.

e-mail: orders@intlpress.com

<http://www.intlpress.com>

The publisher assumes no responsibility for copyright, or any statements of fact or opinion expressed in this book.

14th GÖKOVA GEOMETRY-TOPOLOGY CONFERENCE
May 28 – June 2, 2007



Participants of the 14th Gökova Geometry-Topology Conference

PREFACE

This volume contains some inspiring articles from the lecturers and the participants of the fourteenth Gökova Conference which took place on the beautiful shores of the Gökova Bay during May-June/2007. Many thanks to the authors for their stimulating lectures and generously offering their papers for this proceedings. Many thanks to NSF and TÜBİTAK for funding this conference and thanks to IP for printing and distributing this volume. Also we are grateful to Hotel Yücelen for their exceptional hospitality while hosting these conferences from the beginning.

April 2008

The Editors

CONTENTS

<i>A question analogous to the flux conjecture concerning Lagrangian submanifolds</i>	1
K. ONO	
<i>Hamiltonian handleslides for Heegard Floer homology</i>	15
T. PERUTZ	
<i>Construction of symplectic cohomology $S^2 \times S^2$</i>	36
A. AKHMEDOV	
<i>Some remarks on cabling, contact structures, and complex curves</i>	49
M. HEDDEN	
<i>On the Khovanov and knot Floer homologies of quasi-alternating links</i>	60
C. MANOLESCU and P. OZSVÁTH	
<i>Tight contact structures on the Weeks manifold</i>	82
A. I. STIPSICZ	
<i>Planar Contact Structures with Binding Number Three</i>	90
M. F. ARIKAN	