

Preface

This volume grew out of the celebration, by colleagues and former students, of Professor ShigeToshi Kuroda on his sixtieth birthday in 1992. For the occasion, a conference on Spectral and Scattering theory at Tokyo Institute of Technology on June 30 through July 3, 1992 was organized by Arne Jensen, Takashi Kako, Minoru Murata, Mitsuharu Ôtani, Toshio Suzuki, Hideo Tamura and Kenji Yajima.

Aside from those who contributed papers to this volume, Volker Enss, ShigeToshi Kuroda, Kyûya Masuda, Toshikazu Sunada and Kazuo Watanabe were invited to speak at the conference.

The conference was supported by grants from Grants-in-Aid for Cooperative Research of the Ministry of Education, Science and Culture, the Japan Association for Mathematical Sciences and Inoue Science Foundation as well as by donations from former students of Professor Kuroda. On behalf of the organizing committee and participants of the conference I would like to thank these organizations and individuals.

Ever since the appearance of his paper on the existence and unitarity of scattering operators in 1959, Professor ShigeToshi Kuroda has been one of the most influential leaders in spectral theory and mathematical theory of scattering, and many mathematicians have much benefited from his works. He is also an extraordinary teacher and has had a large number of students. All of us admire the great success he has achieved in mathematical research as well as education, and wish to dedicate this volume to Professor ShigeToshi Kuroda on the occasion of his sixtieth birthday.

Kenji YAJIMA,
On behalf of the Organizing Committee

All papers in this volume, except the second one by Deift and Zhou, have been refereed and are in final form. No version of any of them will be submitted for publication elsewhere.