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Introduction

This proceedings provides a record of papers presented at Conference 1780, Lens and Optical Systems Design, part of the International Symposium on Optical Systems Design held at the Technical University, Berlin, FRG, 14-18 September 1992. Two other conferences on related subjects took place during the same week: Specification and Measurement of Optical Systems (SPIE Vol. 1781) and Thin Films for Optical Systems (SPIE Vol. 1782).

Bearing in mind that this symposium was the first to be held on this subject in the new EUROPTO series of meetings, the high level of support was particularly pleasing. Several delegates commented favorably on the choice of topics for the three events and on the subjects dealt with in the plenary papers. Almost all found some subjects to match their own particular interests.

The papers, which cover a wide field due to the increasing use of nonconventional optics, encompass the following topics:

- Design Software
- Design of Lens Systems
- Diffractive Optics
- Gradient Index Optics
- Laser Components and Systems
- Active and Adaptive Optics

A special feature of the event was a selected lens-design task employing a decentered central element. Several people provided solutions to this problem, and these are included in this proceedings.

We hope that all those active in lens design as well as users of new lens types will find something of interest in this volume.

Thanks are due to all the session chairs, the delegates, and, most important, to the presenters, without whom there would be no conference and the opportunity such an event provides to make new contacts and friends worldwide working in optics.

Hannfried Zügge