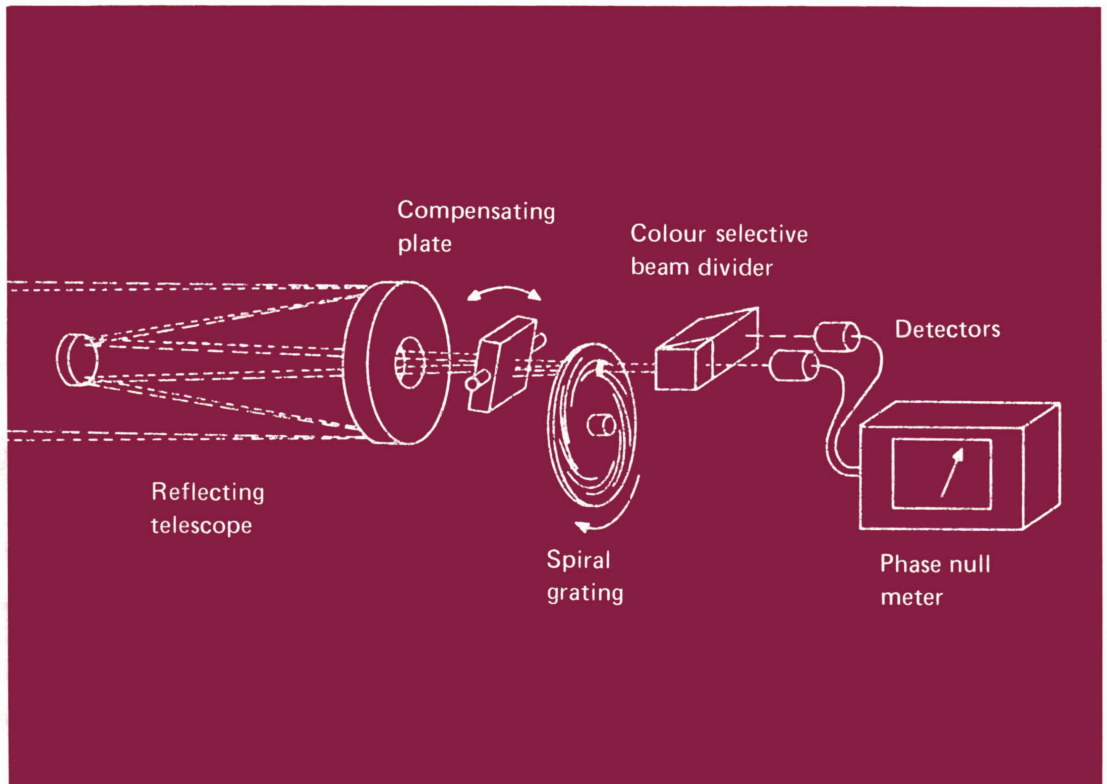


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 89

REFRACTIONAL INFLUENCES IN ASTROMETRY AND GEODESY

Edited by ERIK TENGSTRÖM and GEORGE TELEKI



INTERNATIONAL ASTRONOMICAL UNION

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The symposium had two aims in mind. Firstly, to summarize the results of recent research and thereby indicate possible further research and, secondly, to promote the knowledge of refraction as a unique phenomenon.

Astrometry and geodesy are both at a turning point in their development. By the introduction of a new extra-atmospheric observing technique, the accuracy of measurements is being increased. Consequently, it is imperative to have a better knowledge of the refractive influences. Research in refraction is being conducted on the vertical, lateral longitudinal effects. It is this kind of research that was the central subject of the meeting.

Audience:

The book will be of great interest to scientists and students working in astrometry and geodesy. It will also appeal to meteorologists.

(Cover picture: Figure from D. C. Williams' paper 'A Dispersometer for the Measurement of Angular Refraction', paper presented at the International Symposium on Terrestrial Electromagnetic Distance Measurements and Atmospheric Effects on Angular Measurements, Royal Institute of Technology, Stockholm, Sweden, 19–24 August, 1974.)

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A curious fellow named Snell
Found a Law we all think is swell
Observers all buy it
But when they apply it
Their answers are all shot to hell.

(J.A. Hughes 1978)

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