

CONTENTS

1.	Investigation of the Profiles of Lines with Knowledge of the Phase J. Terrien	1
2.	On Several Problems Encountered in the Fourier Transform Spectroscopy G. Roland	15
3.	Fourier Spectrometer with "Cat's Eyes" and Rapid Scanning M. Cuisenier and J. Pinard	25
4.	Measurement of the Visibility of a Plasma Line J.J. Michel	37
5.	Astronomical Spectroscopy by Fourier Transform J. Connes, P. Connes, and J.P. Maillard	43
6.	Very High Resolution Fourier Spectrometer J. Pinard	69
7.	Potentialities of a Selective Modulation Spectrometer A. Girard	81
8.	Apparatus Function and Performance of a High Resolution ISSAM J. Vergès	89
9.	Operation and Performance of an Interference Spectrometer Selecting by Amplitude Modulation (SISAM) and Functioning by Absorption in the 5 μ range M. Morillon	97
10.	Grid Spectroscopy P. Bouchareine and P. Jacquinot	101
11.	Principle of an Interferential Microphotometer G. Monnet	117
12.	SIMAC: Use with a Photographic Plate or an Electronic Camera R. Chabbal, Ph. Bied-Charreton, and R. Pelletier	121
13.	Optical Apparatus for Transforming A Quadratic Law into a Linear One J. Schiltz and J.L. Bocquet	129

14.	Fabry-Perot Multilens Setup G. Courtes and Y. Georgelin	135
15.	Fabry-Perot Quantometer T. Ben Mena	141
16.	Determination of Spectral Profiles by the Magnetic Scanning Method D. Lagarde, J. Butaux, R. Lennuier, and J.Y. Prévot	147
17.	Spectrometry by Variable Wavelength Lasers J.M. Basson	153
18.	Use of a Variable Length Laser Cavity as an Apparatus for Analyzing Isotopic Shifts in the Infrared J. Brochard and R. Vetter	157
19.	Maps of the Plates of a Fabry-Perot H.T. Duong, S. Gerstenkorn, and J.M. Helbert	165
20.	Interferential Spectrophotometer in Astrophysics P. Cruvellier	171
21.	Spectrometer with Two Servoed Fabry-Perots J.P. Laude	179
22.	Search for the Best Compromises between Resolution and Signal/Noise in Problems of Superresolution by Convolution O. Robaux and B. Roizen-Dossier	187