

CONTENTS

Far-Infrared Laser Lines in $^{12}\text{CH}_3\text{F}$ and $^{13}\text{CH}_3\text{F}$	1
T.Y. Chang	
Submillimeter Laser Lines in Deuterated Methyl Fluoride, CD_3F	29
G. Duxbury	
FIR Laser Lines Optically Pumped in Methyl Chloride, $\text{CH}_3^{35}\text{Cl}$ and $\text{CH}_3^{37}\text{Cl}$	35
J-C. Deroche and G. Graner	
Far-Infrared Laser Lines Obtained by Optical Pumping of the CD_3Cl Molecule.	43
G. Graner and J-C. Deroche	
Far-Infrared Laser Lines Obtained by Optical Pumping of CF_3Br	53
J-M. Lourtioz and C. Meyer	
Far-Infrared Laser Lines Obtained by Optical Pumping of the CD_3Br Molecule.	73
G. Graner, J-C. Deroche, and C. Betrencourt-Stirnemann	
Submillimeter Lasers in Methyl Iodide and Its Isotopic Species.	81
E. Arimondo	
Far-Infrared Laser Lines from Optically Pumped CH_3OH	105
M. Inguscio, F. Strumia, and J.O. Henningsen	
Far-Infrared Laser Lines from Optically Pumped $^{13}\text{CH}_3$ ^{16}OH . . .	151
J.C. Petersen and J.O. Henningsen	
Optically Pumped Far-Infrared Laser Lines in Deuterated Methyl Alcohol, CH_3OD , CH_2DOH , CHD_2OH , CD_3OH , CD_3OD . .	159
S. Kon, T. Kachi, Y. Tsunawaki, and M. Yamanaka	

Optically Pumped CH_3CN , CD_3CN and CH_3NC Lasers.	193
M. Inguscio	
The Optically Pumped Difluoromethane Far-Infrared Laser . . .	223
E.J. Danielewicz	
Far-Infrared Laser Lines Obtained by Optical Pumping of Fluorocarbon 12, CF_2Cl_2	251
J-M. Lourtioz	
Submillimeter Laser Lines in 1,1 Difluorethylene, CF_2CH_2 . . .	261
G. Duxbury	
Optically Pumped Far-Infrared Ammonia Lasers.	277
C.O. Weiss, M. Fourrier, C. Gastaud, and M. Redon	
List of the Optically Pumped Laser Lines of D_2O	337
T.A. DeTemple	
The Sulfur Dioxide Submillimeter Wave Lasers.	359
J.P. Sattler and W.J. Lafferty	
Optically Pumped PH_3 Laser Operating in the 83-223 μm Region.	383
P.D. Coleman	
The Optically Pumped Formic Acid Laser.	429
D. Dangoisse and P. Glorieux	
Optically Pumped Infrared Laser Action in Propyne	467
E. Arimondo, M. Ciocca, and G. Baldacchini	
Index	477