

F I G U R E S

<u>NUMBER</u>		<u>PAGE</u>
1	Quartz-Pyrax discharge tube	61
2	Block-diagram of the high frequency oscillator	63
3	Circuit diagram of power supply for high frequency oscillator	65
4	Circuit diagram of high frequency oscillator	66
5	The path of rays in perspective in 2-meter plane grating spectrograph	70
6	Schematic representation of path of rays in double-pass beam	73
7	Graph of rotational quantum no. K versus combination relations for $\Delta_2 F'_1(K)$	152
8	Graph of rotational quantum no. K versus combination relations for $\Delta_2 F''_1(K)$	153
9	Graph of rotational quantum no. K versus spin splitting of lines of R branch $\Delta \nu_{12}(R)$ due to spin effect	155
10	Energy level diagram of group II(a) halides	163