

IV

LIST OF ILLUSTRATIONS

Fig. No.

- 1 Potential Energy Curve.
- 2 Comparison of Experimental and Theoretical
 Transition Probabilities for the First Positive
 System.
- 3 Variation of $R_e(r)$ with r in First Positive
 System of N_2 .
- 4 R_e - Variation for different Potentials.

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