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Between Particle Number and Gas Pressure"; "XI. Formulas for the Rate Constants of Specific Processes"; "A. Rate Constant for Arbitrary Energy Dependence of the Process Cross Section"; "B. Formulas for Cross Sections and Rate Constants"; "References"; "Chapter 2 Elastic Collisions in Gases and Plasmas (T Models); "I. Elastic Collisions of Neutral Particles ($X + Y \rightarrow X + Y$); "A. Hard-Sphere Model (T.1); "B. Repulsive Power-Law Potential Model (T.2); "C. Hard-Sphere Model with Variable Diameter (T.3); "D. Model Based on Lennard-Jones Potential (T.4); "E. Model Based on Born-Mayer Potential (T.5); "F. Model of Attracting Particles (T.6); "II. Elastic Collisions Involving Charged Particles"; "A. Effective Radius Approximation for Electron-Atom and Electron-Molecule Collisions (T.7); "B. Classical Approximation for Electron-Molecule Collisions (T.8); "C. Born Approximation for Electron-Molecule Collisions (T.9); "D. Model of Electron Scattering by Molecule with High Dipole Moment (T.10); "E. Classical Approximation for Ion-Atom and Ion-Molecule Collisions (T.11); "F. Model Based on the Born-Mayer Repulsive Potential for Ion Collisions with Neutral Particles (T.12); "G. Model Based on the Shielded Coulomb Potential (T.13); "References"; "Chapter 3 Rotational Energy Exchange (R Models)"
