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Electric Dipole Oscillator Strengths of Boron

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**Abstract:** Electric dipole oscillator strengths for both individual and multiplet lines between some excited levels of atomic boron are calculated using the Weakest Bound Electron Potential Model Theory (WBEPMT). The Numerical Coulomb Approximation wave functions for expectation values of radii in all states and experimental ionization energies have been employed to determinate the parameters. The obtained results from this work agree very well with the accepted values taken from NIST, Multi-Configurational Hartree-Fock (MCHF) results and atomic line data.

**Key Words:** Electric dipole oscillator strength, boron atom, the weakest bound electron potential model theory

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