

## ABSTRACT

The thermal and electrical conductivity of ionized argon in chemical equilibrium has been computed for temperatures from 3000 - 25000<sup>o</sup>K at pressures from 0.001 - 1000 atm. Values are given here for these properties with and without an imposed DC magnetic field up to 200kGauss. A comparison is made of the computed properties with measurements in the wall-stabilized arc.

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