

Magnetic And Conductivity Studies in Iron Doped Alkali Titanate

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ABSTRACT

Electron paramagnetic resonance is reported in samples of iron doped $K_2Ti_4O_9$.

The temperature variation of a.c. conductivity has also been reported in these samples at five different frequencies. The results have been compared with the available d.c. data and the trapped water groups seem to play an important role in the temperature variation of conductivity.

Key Words: Alkali Titanate, Conductivity.