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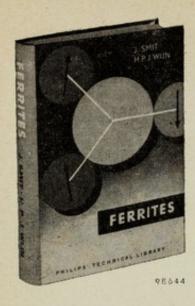
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FERRITES

Physical properties of ferromagnetic oxides in relation to their application.

by J. SMIT and H. P. J. WIJN

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The most important development in ferromagnetism in recent years has taken place in the area of magnetic oxides, the term "ferrites" being used to refer to all those containing iron as the major metallic component.

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Since many properties of the ferrites strongly depend on their exact chemical composition and microscopic physical structure, a thorough familiarity such as the authors possess, with the experimental details, is of special importance.

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These artificial magnetic materials are now of first-rate economic importance and are used throughout the electronics industry, e.g. radio, television, telephone and telegraph services, recording apparatus, measuring apparatus, ultrasonic apparatus, proton accelerators, motors and generators and magnetic couplings. All scientists and technicians engaged in these, as well as metallurgists and inorganic chemists will be glad of such an authoritative but readable study.

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