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Magnetic Multilayers and Giant Magnetoresistance

Fundamentals and Industrial Applications

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Magnetic multilayers is a rapidly growing and multidisciplinary field of research. The purpose of this book is to give a unified overview of recent progress, giving special emphasis to the most important industrial applications. A general introduction is followed by six chapters that describe a wide range of physical aspects, together with experimental and theoretical methods. Scientists and students alike will benefit from the comprehensive discussion of numerous devices and their physics. As the technology matures, these devices, for example spin valves and magnetic random access memories, are likely to become widely used.

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4. Giant Magnetoresistance in Exchange-Biased Spin Valve Layered Structures.
5. Experiments on the Perpendicular Giant Magnetoresistance in Magnetic Multilayers.
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