

PREFACE

Magnetic Fluids are a new class of engineering materials. They were discovered approximately 30 years ago and have progressively become a technological material very useful for many engineering application.

An International team of the best specialists in the field is being assembled by UNESCO to prepare a handbook "Magnetic Fluids and Application", in order to provide a base for engineers to get acquainted with this new technological material. The project being undertaken within the UNESCO programme "Series of Learning Materials and Engineering Sciences".

The handbook presents a state of the art information and is edited by a board of 10 prominent specialists in the field. It draws on contributions from 28 experts from every substantial branch of magnetic fluids theory and applications. This volume is organized around modern methodology and the kind of problems and issues deal with the contemporary engineers. It gives practical useful data on critical recent topics. The book provides quick access to material data, practical design rules and techniques, mathematics and ready to use formulas. It also give for a non-expert an elementary grasp of the subject.

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