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Sommario/riassunto	Latvian physicists discuss the full range of properties of magnetic fluids as colloidal systems and their interactions with external fields, including the main physical, hydrodynamic, and thermophysical problems. The topics include the magnetic properties of colloidal ferromagnetics, the structure of ferromagnetic colloids, models of magnetizing fluids, quasi- equilibrium hydrodynamics, internal rotations, the transfer of heat and mass, and preparation. Translated from the Russian Magnitnye zhidkosti published by Zinatne Publishing House in Riga, Russia, in 1989. Annotation copyrighted by Book News, Inc., Portland, OR