

Progress In Low Temperature Physics, Volume X

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As in Volume IX, the quantum fluids theme still dominates. This is reflected in articles by Fetter on vortices in superfluid ^3He , which bears both similarities and striking differences to those in superfluid ^4He , and by Rainer on the ab initio calculation of the transition temperatures of superconductors. In the article by Silvera and Walraven, the authors review their original experiments on spin-polarized atomic hydrogen. Finally, Dahm's article deals with charge motion in solid helium, which is not so obviously a quantum fluid, but a system in which the behaviour is a typical example of low temperature phenomena.

EAN/ISBN : 9780080873053 Publisher(s): Elsevier Science & Technology, North Holland Format:

ePub/PDF Author(s): Brewer, D. F.

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