

INVESTIGATIONS OF THE DIMENSIONAL
QUANTIZED CONDUCTING CHANNELS
BY THE DUAL HALL METHODS

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S u m m a r y

The particularities of utilization of the electromotive force and current Hall methods in investigations of the transport of charged carriers in thin conductive layers of semiconductor heterostructures are considered. A correct method of determination of two-dimensional electron mobility μ and concentration Γ is proposed under conditions when the effects connected with the Landau quantization manifest itself in transport phenomena at the macroscopic level.