

Effects of spin-orbit coupling on quantum transport

Bardarson, J.H.

Citation

Bardarson, J. H. (2008, June 4). *Effects of spin-orbit coupling on quantum transport. Casimir PhD Series*. Retrieved from https://hdl.handle.net/1887/12930

Version: Corrected Publisher's Version

License: Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden

Downloaded

https://hdl.handle.net/1887/12930

from:

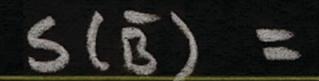
Note: To cite this publication please use the final published version (if applicable).

$\mathcal{H} = \frac{P^2}{2m} + \frac{x}{4} (P_y \sigma_x - P_x \sigma_y)$

$$I_i^{\sigma} = \frac{e^2}{h} \sum_{j,\sigma'} T_{ij}^{\sigma,\sigma'} (v_i - v_j)$$

$$\langle T_{ij}^{(\mu)} \rangle = \frac{2 \delta_{\mu o}}{N_T - V_2} \left(N_i N_j - \frac{1}{2} N_i \delta_{ij} \right)$$

Effects of Spin-Orbit Coupling on Quantum Transport





Jens Hjörleifur Bárðarson

