Advanced Atomistic Device Simulation Platform: AMMCR

https://ikst.res.in/research/achievements/AMMCR

http://cnqt-group.org

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Development of the Rode Algorithm for AMMCR

Collaboration with

Hole Mobility Calculation
- Atomistic calculation involving DFT and Rode algorithm
- Complex hole-bands
- Application to photovoltaic device simulations

2D Devices
- Atomistic calculation of Hall mobilities
- Atomistic calculation of Spin dependent transport in 2D Materials
- 2D Straintronics

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