



Delft University of Technology

Diverse Charge Tunneling in Hybrid Quantum Confined Systems

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Propositions

by

Lin HAN

1. Understanding the gate sensing signals in isolated quantum systems qualitatively is an inevitable path to achieving on-chip topological quantum computing.
(This proposition pertains to this dissertation.)
2. Reliable quantitative analyzing of the gate sensing signal provides a better choice for characterizing quantum systems compared to transport.
(This proposition pertains to this dissertation.)
3. Giving a halo and preferential treatment to junior researchers will have more negative than positive consequences for the development of their science.
4. PhD students should be properly assessed on their research skills before graduation by tackling a short-term problem outside their major field, to ensure that they have the potential for success in their careers.
5. It is impossible to establish a stable spiritual core as long as the pursuit of life is linked to relationships.
6. If the gap between what is proposed and what is currently achievable in a high-tech proposal becomes too large to close before the funding deadline, fraudulent behavior will emerge.
7. An obsession with logically rejecting the paradigms that currently seem to defy science will limit our exploration of nature.
8. A lazy but generous government often makes people pure, while a hardworking and paternalistic government makes people cunning.
9. Society's overprotection of women's attempts to prove their autonomy ultimately strengthens the power of a male-dominated society.
10. Everyone should be taught about marriage and child raising in school and should pass a test before undergoing these life events.

These propositions are regarded as opposable and defendable, and have been approved as such by the promotor prof. dr. L. P. Kouwenhoven and copromotor dr. S. Goswami.