

Propositions

accompanying the dissertation

SURFACE-RELATED MULTIPLE ESTIMATION AND REMOVAL WITH FOCUS ON SHALLOW WATER

by

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1. Multiple imaging helps alleviate the data coverage problem, especially the near-offset missing data in case of shallow water. (this thesis)
2. In the field of adaptive subtraction, a simple leakage extraction algorithm is more helpful than a direct subtraction with more complex mathematical assumptions. (this thesis)
3. For poorly described deterministic problems, e.g., adaptive subtraction and multiple de-aliasing, deep learning finds the underlying relationships that are not easily achievable by the deterministic methods. (this thesis)
4. Western democracy might not achieve the optimal society, however, it will avoid the worst.
5. Deep learning technology, on the one hand, greatly boosts the general productivity; On the other hand, it will undermine our understanding of nature.
6. Wealth inequality is more important than climate change.
7. If you want to work in the field of geoscience, do not study geoscience.
8. Hybrid working (a mix of work from home and on-site) will continue after the pandemic and change people's lifestyle.
9. Loneliness is the strongest enemy during the pandemic.
10. Board games are the best combination of improving cognitive functions, having fun and making friends.

These propositions are regarded as opposable and defensible, and have been approved as such by the promoters: Dr. ir. D.J. Verschuur and Prof. dr. ir. N. de Jong.