

## Surface waves everywhere

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This will be an easy review of all kinds of surface waves, *i.e.* waves existing specifically at interfaces between media that are different in some respect:

- water waves
- acoustic waves
- plasma waves (or surface polaritons)
- surface states in semiconductors, topological insulators included
- Dyakonov surface waves (at interfaces of transparent media differing by symmetry)
- ...

Existing and possible future applications will be discussed.