Motivation
In exploration geoophysics, reflected seismology refers to method that use principles of scattering to estimate the properties of the


Waves are generated by a man-made source towed by a ship.
Data are collected at the surface and after some preprocessing contains reflection events in the form of convolutions of the source wavelet Q
$\mathrm{Q}^{*} \in \mathrm{G}, \mathrm{Q}^{*} \mathrm{O}^{*} * \mathrm{G}$, etc
-The sea surface is a perfect reflector (reflection coefficient is -1 ). The primary waves are sent back into the subsurface acting as

Surface- Related Multiple Elimination (SRME) IV schuur et $1992]$ formula gives the relationship between the data $P$, source $Q$,
and Green's function: $\hat{P}=\hat{G}(\hat{Q}-\hat{P})$


$\dagger$ John "Emie" "sser
May $19,1980-$ March 8,2015 ) This work is refefection of Emie's extroordinany


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## Reference

