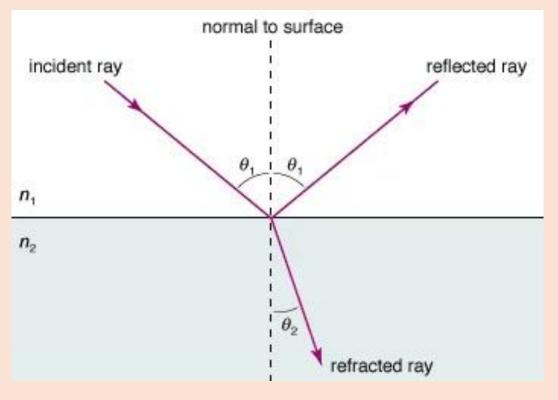
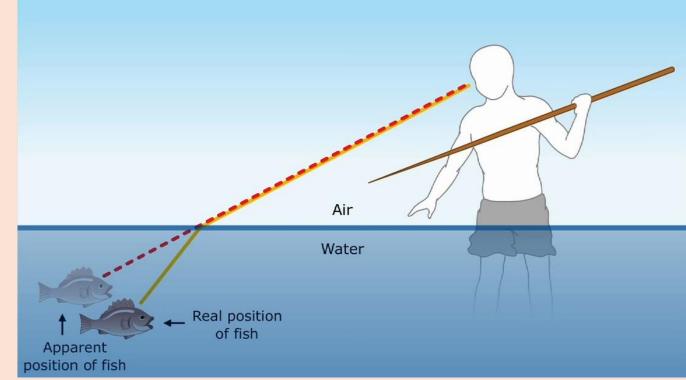
INVISIBILITY OIL

Reflection & Refraction of light



REFRACTION INDEX: $n = \frac{c}{v}$ v: speed of light in a medium c: speed of light in vacuum ($3 \cdot 10^8 m/s$)



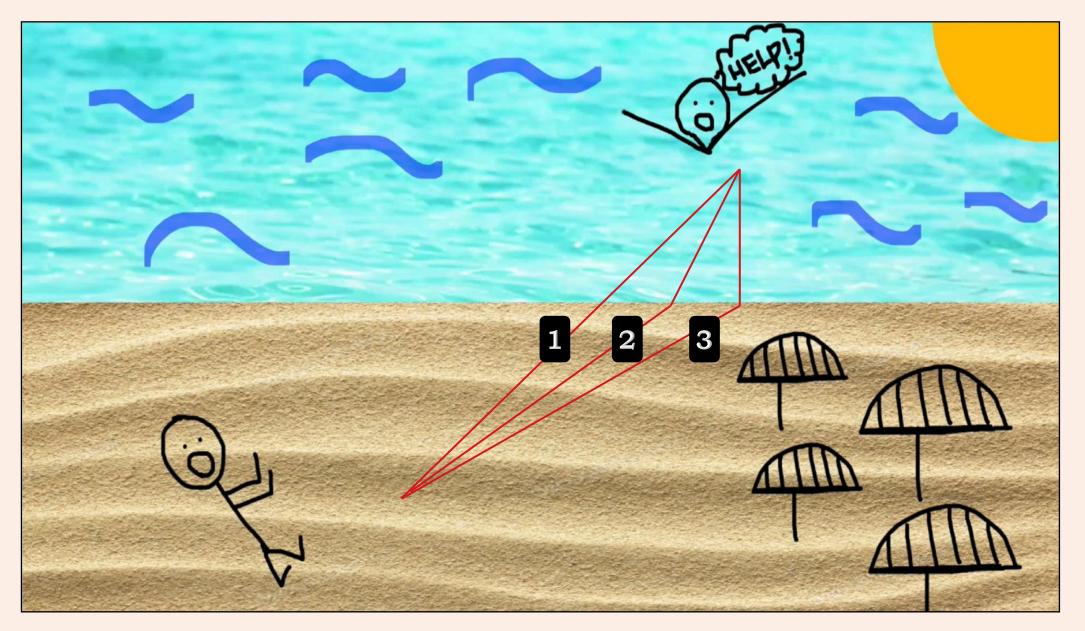
...let's fix the idea...

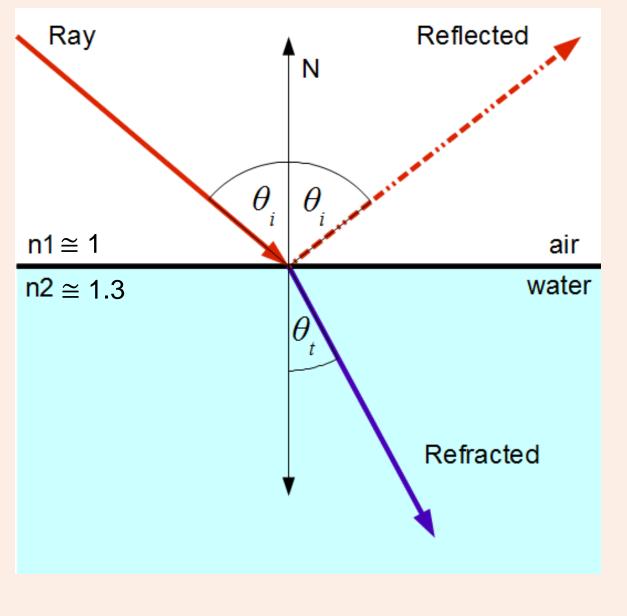


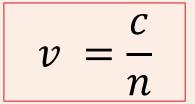
Perfect example of *refraction* with *no reflection*: we can't see well defined contours (no reflection), but we can distinguish a disturbance of the background (refraction).

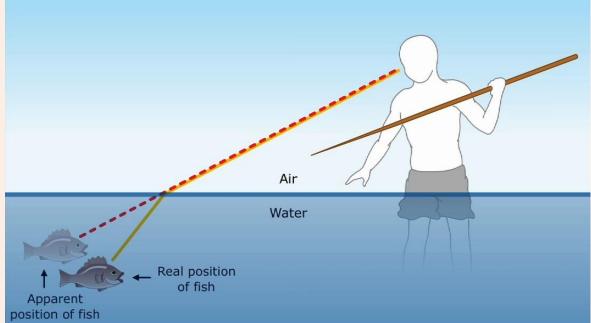
Predator, 1987

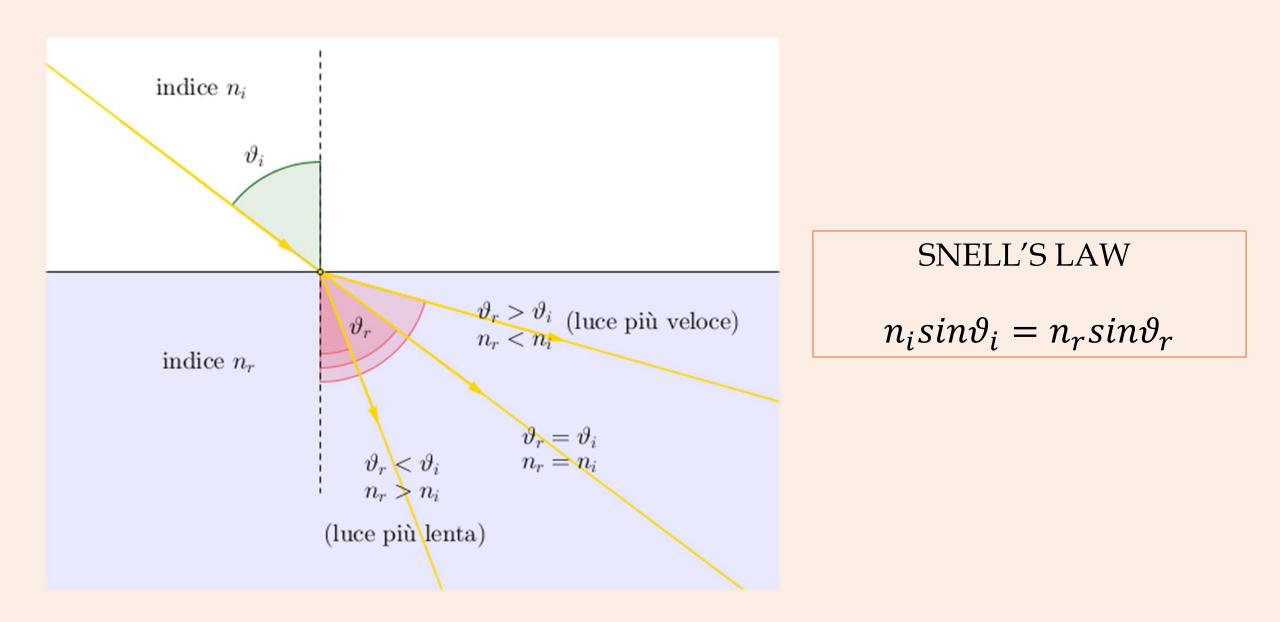
Fermat's principle – Feynmann explanation











A particular case: $n_{r=}n_i$

Tools:

-Two glass jars of different sizes -Soybean oil



Result:

