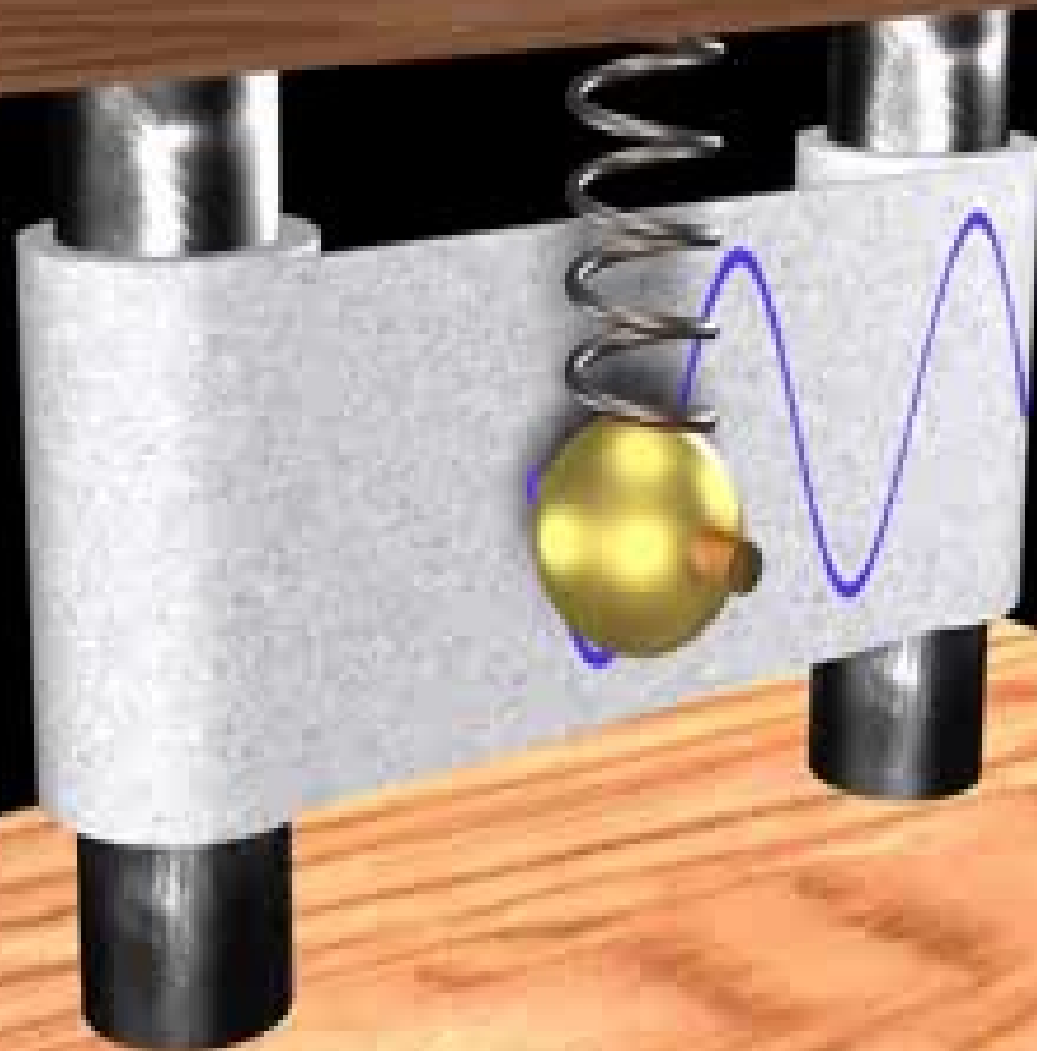
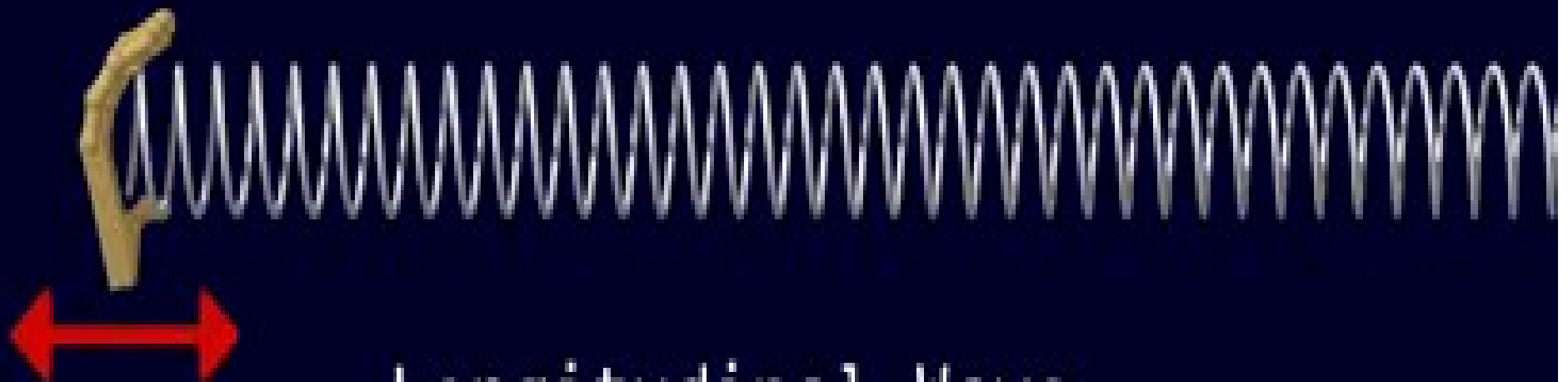


## Takoma bridge

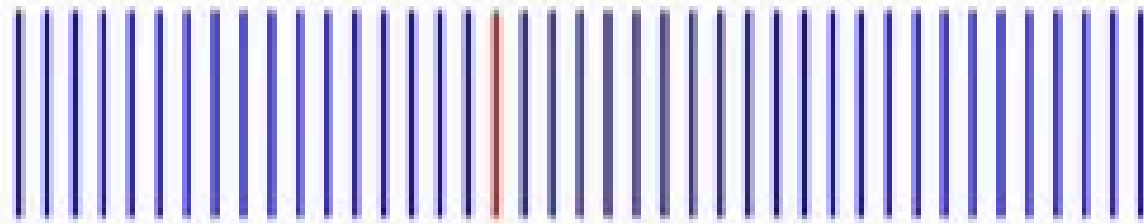


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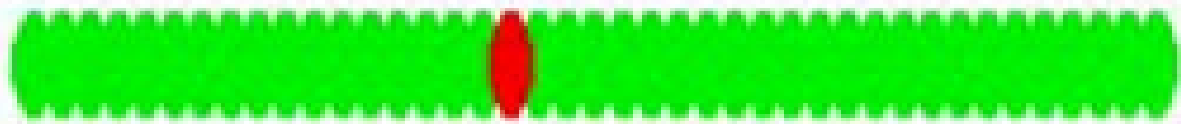




Longitudinal Wave



A



B

S-wave

P-wave



Cartoon of P, S, and surface waves from an earthquake are recorded by four widely spaced seismic stations

Mantle  
Outer core

Scale and motion are greatly exaggerated to amplify seismic-wave behavior seen at left.

	0	10	20	30	40 minutes
A					
B					
C					
D					

## Seismograms

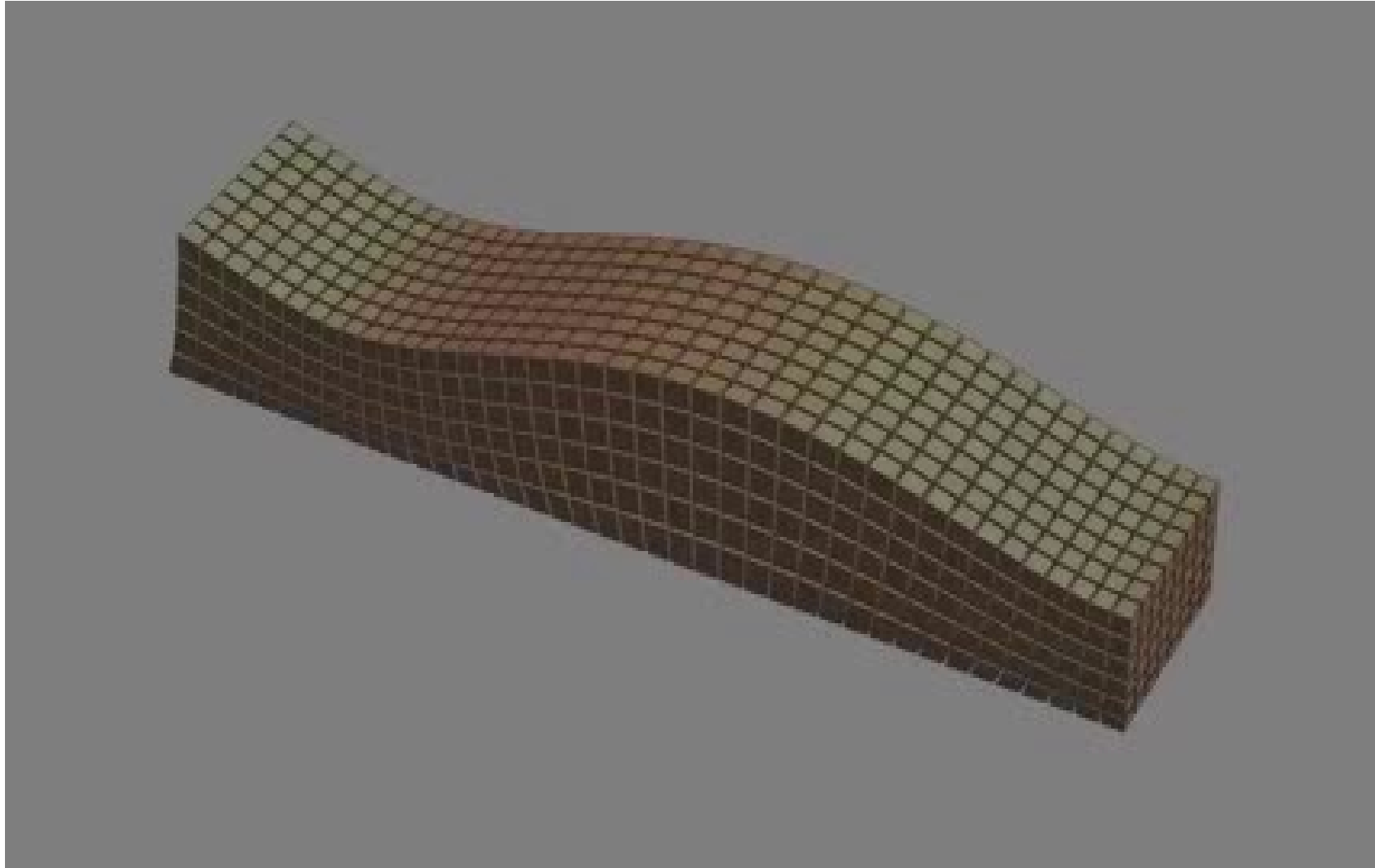
# Seismic Tomography

earth  
scope



Using earthquakes  
to image Earth's interior

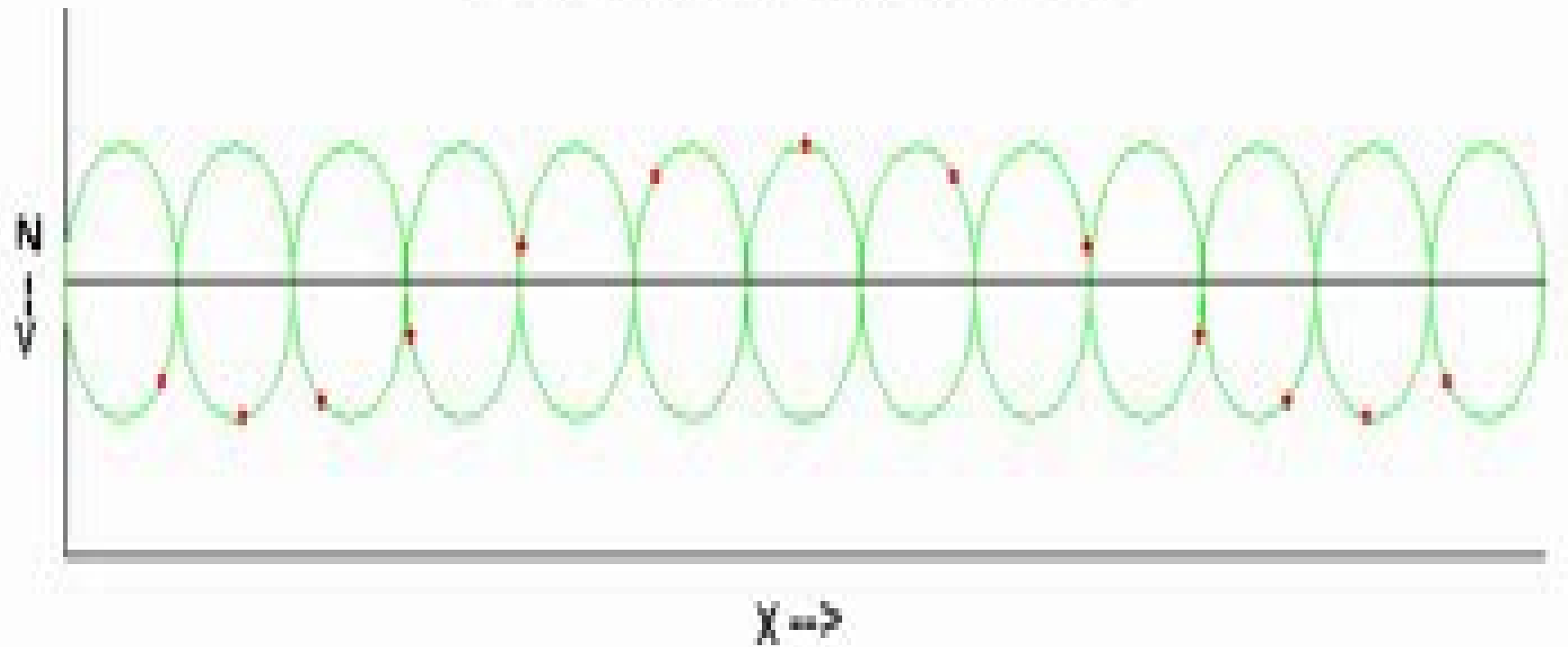
## Rayleigh superficial wave





## Particle motion in Rayleigh waves

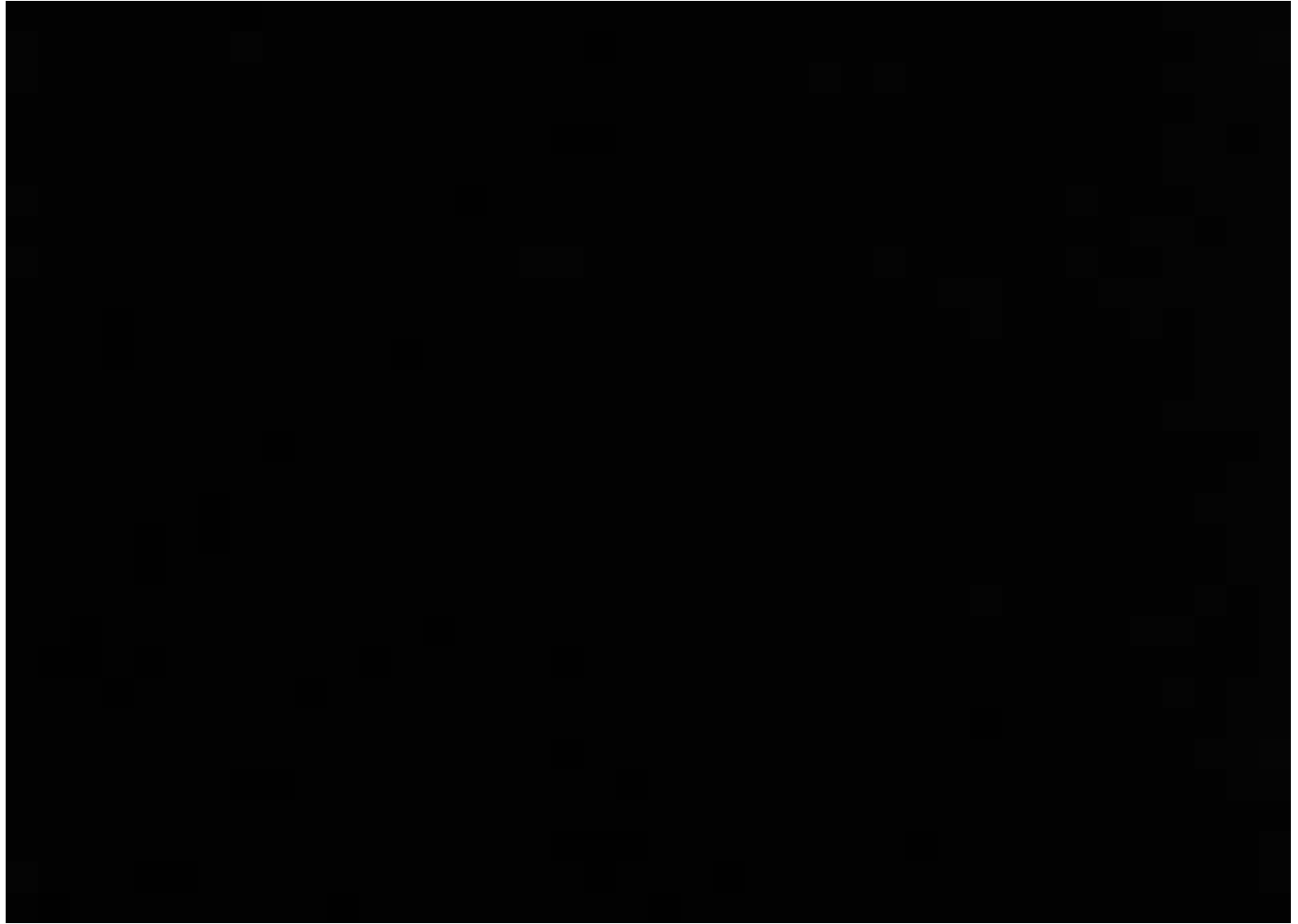
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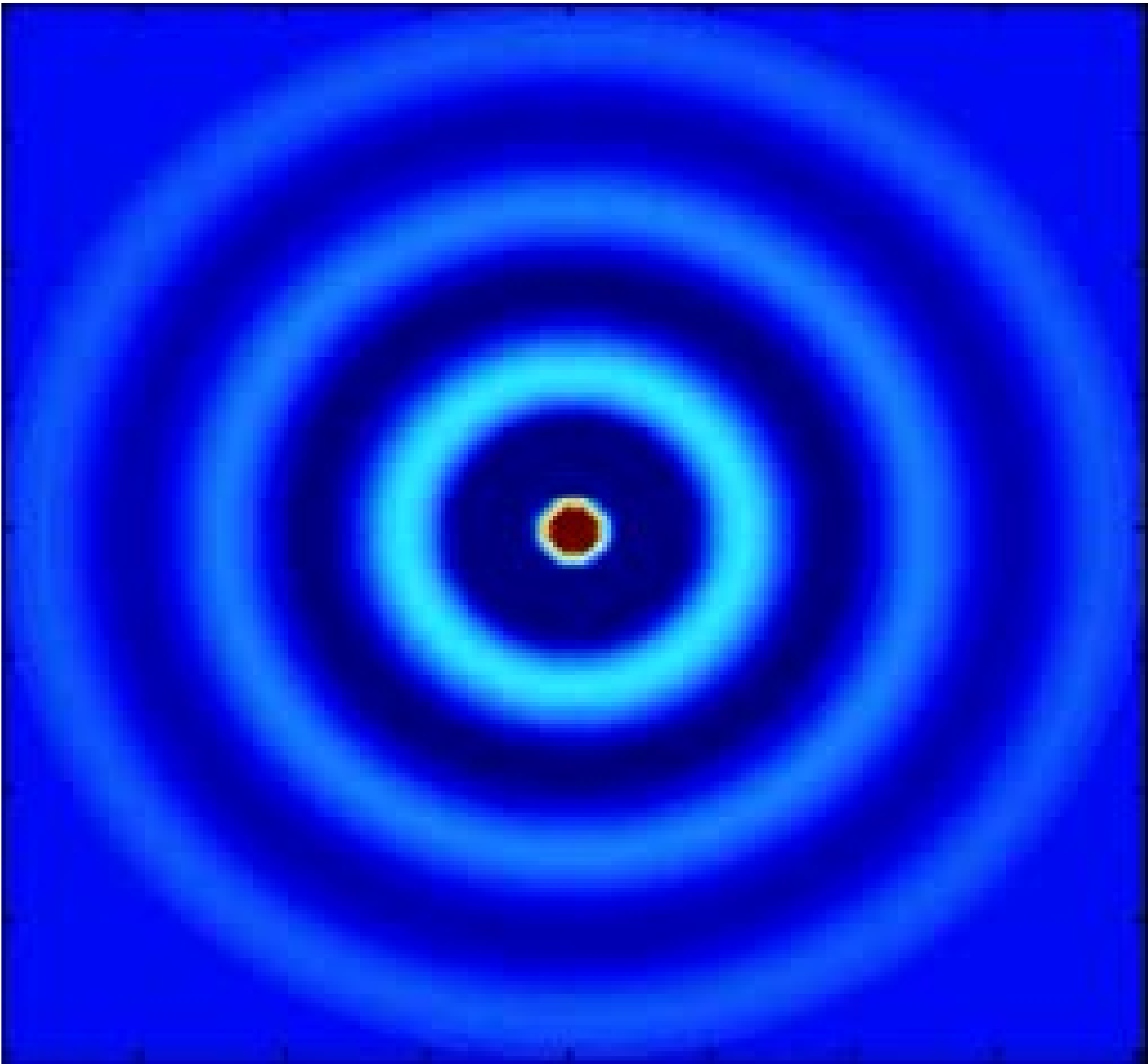




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# Onde elettromagnetiche.

