

# Determination of Earthquake location and Focal Mechanism



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# Fundamental Knowledge of Earthquake

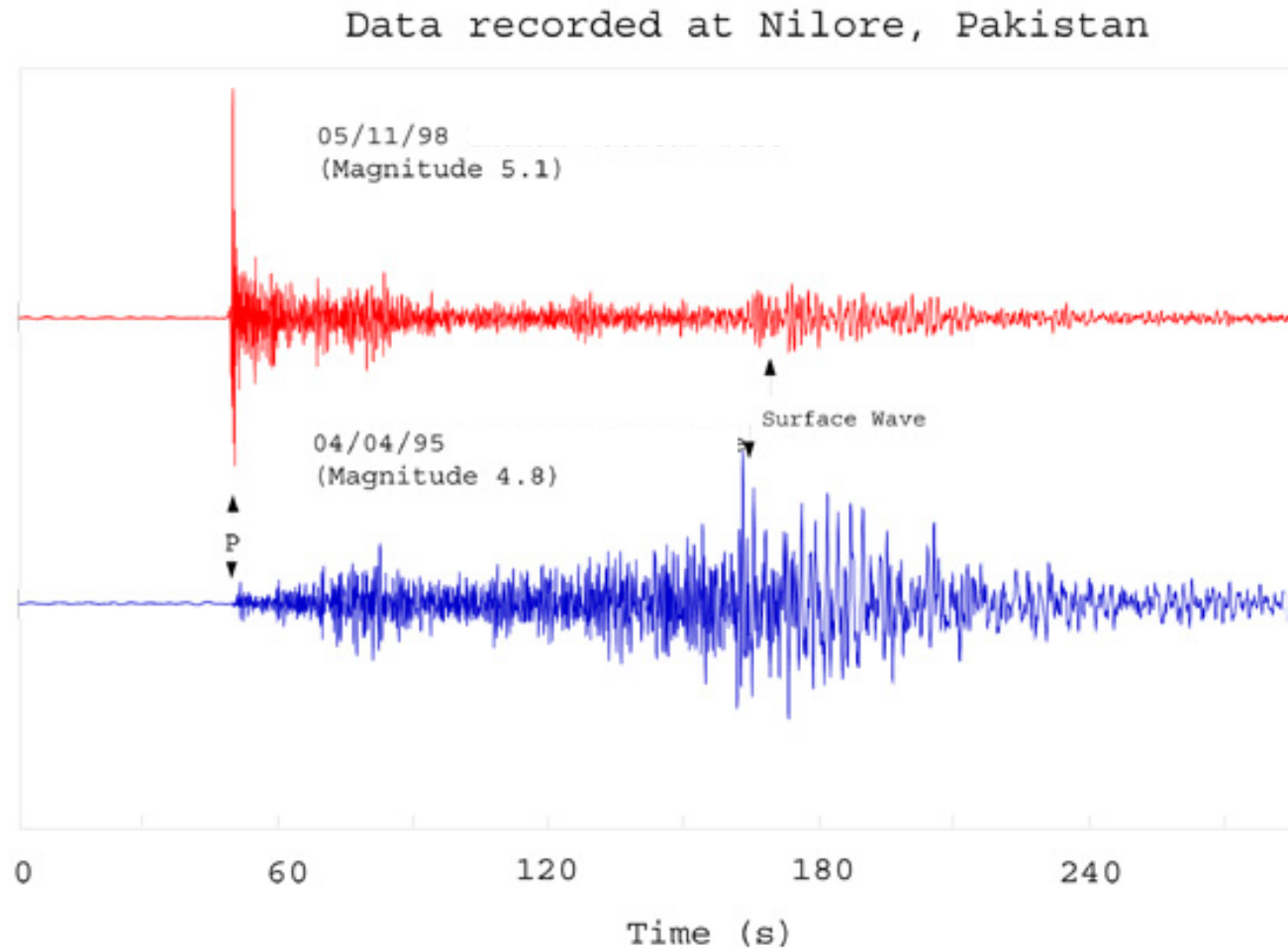
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## Terminology

- Hypocenter(진원지)
- Epicenter(진앙지)
- Radial component(방사성분)
- Transverse component(횡방향성분)
- Magnitude(규모)
- Intensity(진도)

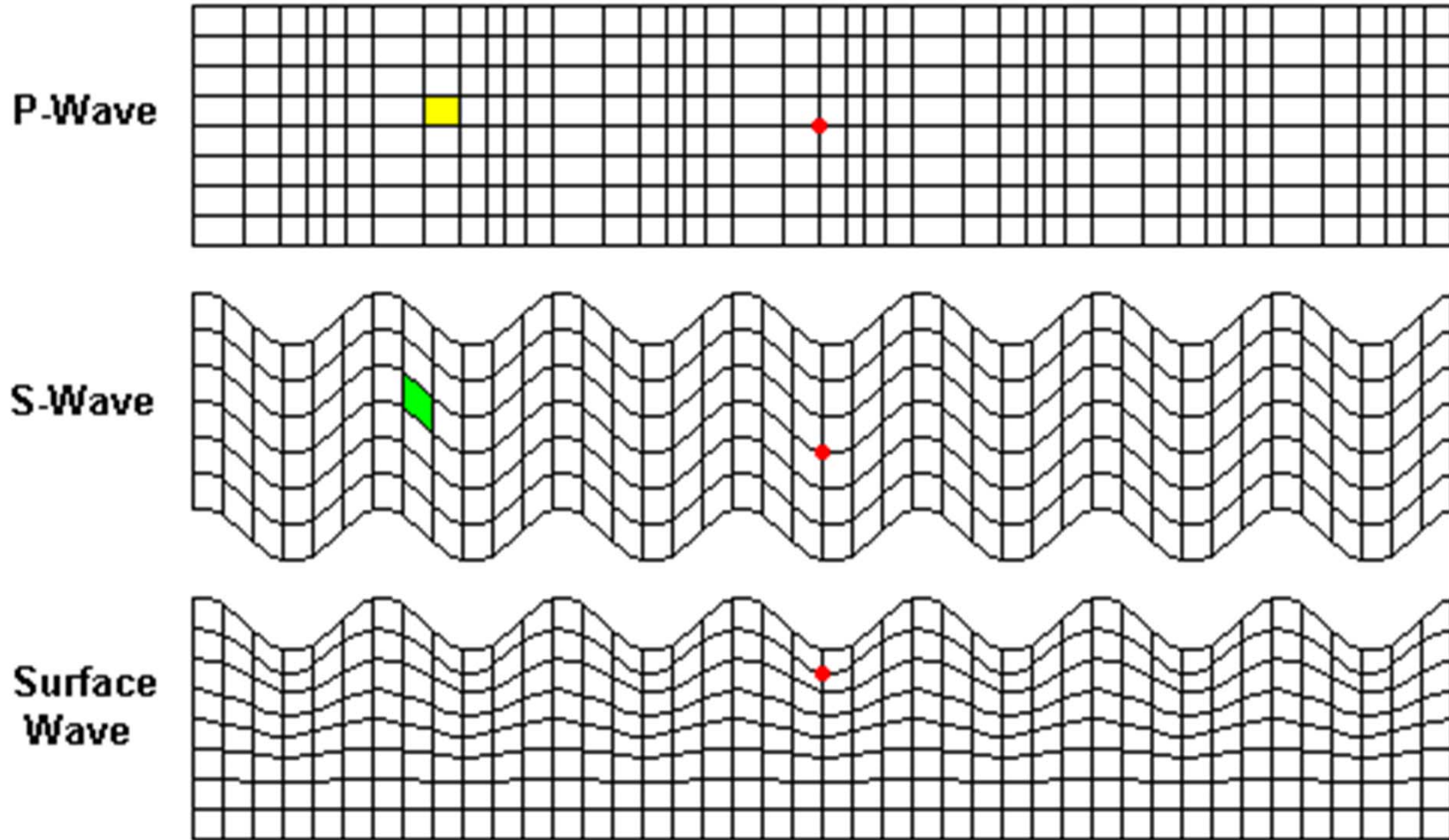
# Fundamental Knowledge of Earthquake

## What different between two waveforms?



# Fundamental Knowledge of Earthquake

## Seismic waves



# Contents

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- Methods of earthquake location
- Accuracy of earthquake location
- Wave Equation
- FDM Formula
- Source Meanings
- Kinematic Sources – Moment Tensor
- Moment Tensor Inversion
- Moment Tensor decomposition

- Lecture materials by external experts are not available.