

### 3-D seismic velocity structure in the focal area of the 1999 Kocaeli, Turkey, Earthquake

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We determined a detailed 3-D P wave velocity structure of the crust in the focal area of the 1999 Mw7.4 Kocaeli, Turkey, Earthquake. The mainshock occurred in a low velocity anomaly. We found a high velocity area to the east of Sapanca lake, where aftershock distribution and surface rupture don't coincide with each other.