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Updating the Egyptian Earthquake Source Parameters Database

Focal mechanism and source parameters are an essential input for many seismological applications including source characterization, discrimination, and Seismic Hazard Assessment. In this study, we constructed new database for updated Earthquakes Focal Mechanism and Source Parameters for Egypt. Data coverage for the catalogue extends 2012 to 2018 events with Magnitude ≥ 3.5 . The catalogue compromise quality weighted Focal mechanism Solution and different source parameter including seismic moment, fault radius, corner frequency, stress drop, and moment magnitude. The Database is regularly updated with the solution for events with magnitude ≥ 3.5 using data from Egyptian National Seismological Network, Egyptian Strong Motion Network, IMS, ORFEUS, and ISC data.

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