



International Institute of Earthquake Engineering and Seismology
Seismotectonic Department

Major Active Faults of Iran

Compiled by:
Khaled Hessami, Farshad Jamali & Hadi Tabassi
Edition: 2003



LEGEND

- Fault Classification**
- Types of Active Fault
 - Earthquake fault (surface rupture associated with earthquake)
 - Seismically active fault (fault whose seismic activity has been documented but not resulted in surface rupture)
 - Documented Quaternary fault (fault which has been active during the Quaternary times)
- Fault mechanism and notation**
 - Thrust and reverse fault
 - Fault without specification
 - Strike-slip fault with sense of motion
 - Relative upthrown and downthrown sides
 - Inferred fault location
- Seismological Legend**
 - Earthquake location
 - Focal mechanism solutions of earthquakes occurring in the interval 1948-1976.
 - Focal mechanism solutions of earthquakes occurring in the interval 1976-2002.
 - Horizontal component of slip vector
 - Horizontal component of compressive axis (maximum principal stress)
- Special notation**
 - GPS velocities in Eurasia-fixed reference frame, 1 cm/yr

