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THE UNITED STATES
NATIONAL SEISMIC HAZARD MAPS-2002 UPDATE

The U. S. Geological Survey recently updated the probabilistic seismic hazard maps for the 48 contiguous United States. The overall organizing principles and methodology are carried over from development of the 1996 hazard maps by the USGS team under the leadership of A. Frankel. Components of the model include gridded, smoothed historical seismicity, more than 500 fault sources with published slip rates, and broad background source zones. Important changes and refinements for 2002 include: improving and extending the seismic catalog, improvements to the fault database, refinement of models for the New Madrid and Charleston source zones, and addition of newly developed attenuation laws. Comparisons with the 1996 maps, including mapped ratios of probabilistic ground motions, will be presented.