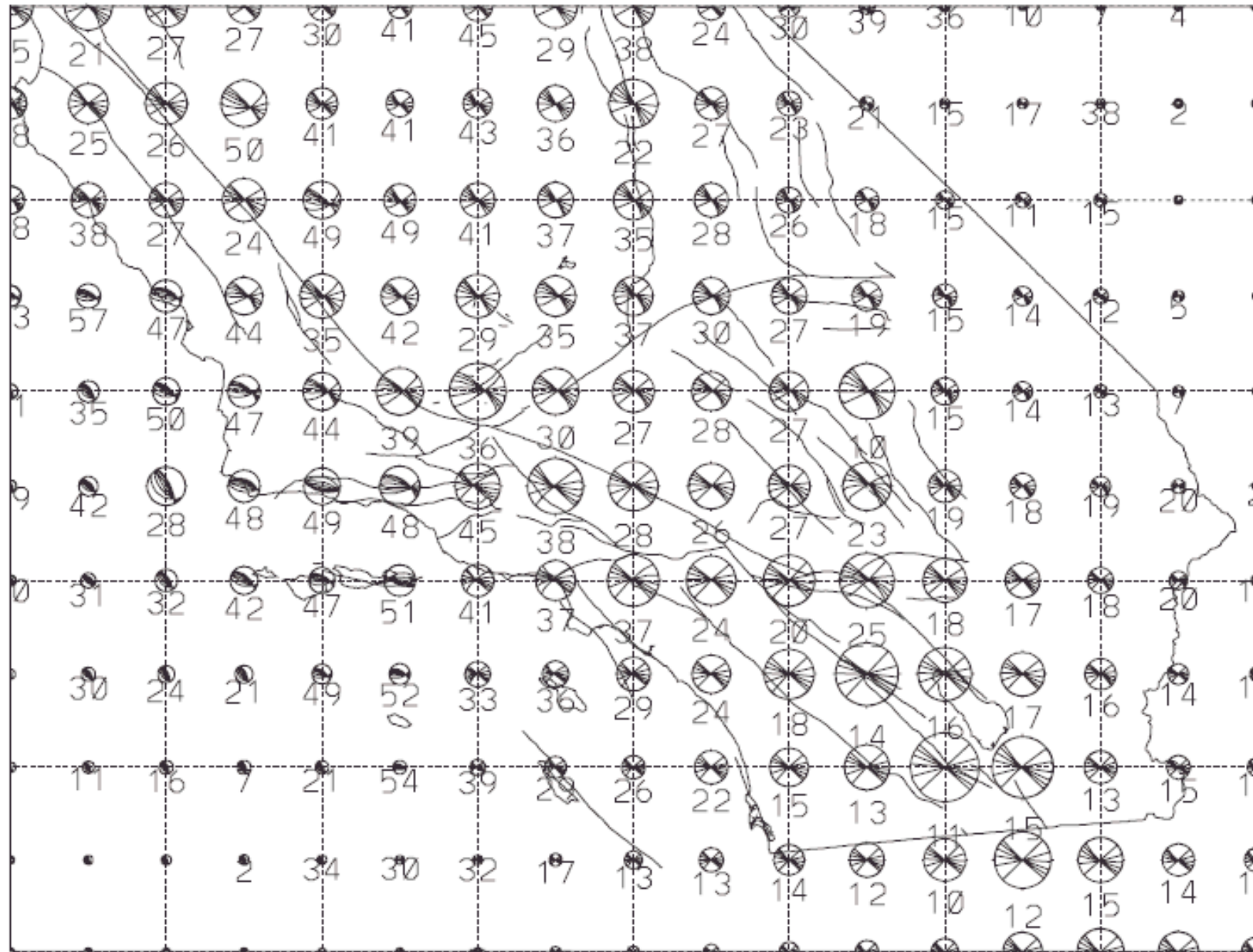


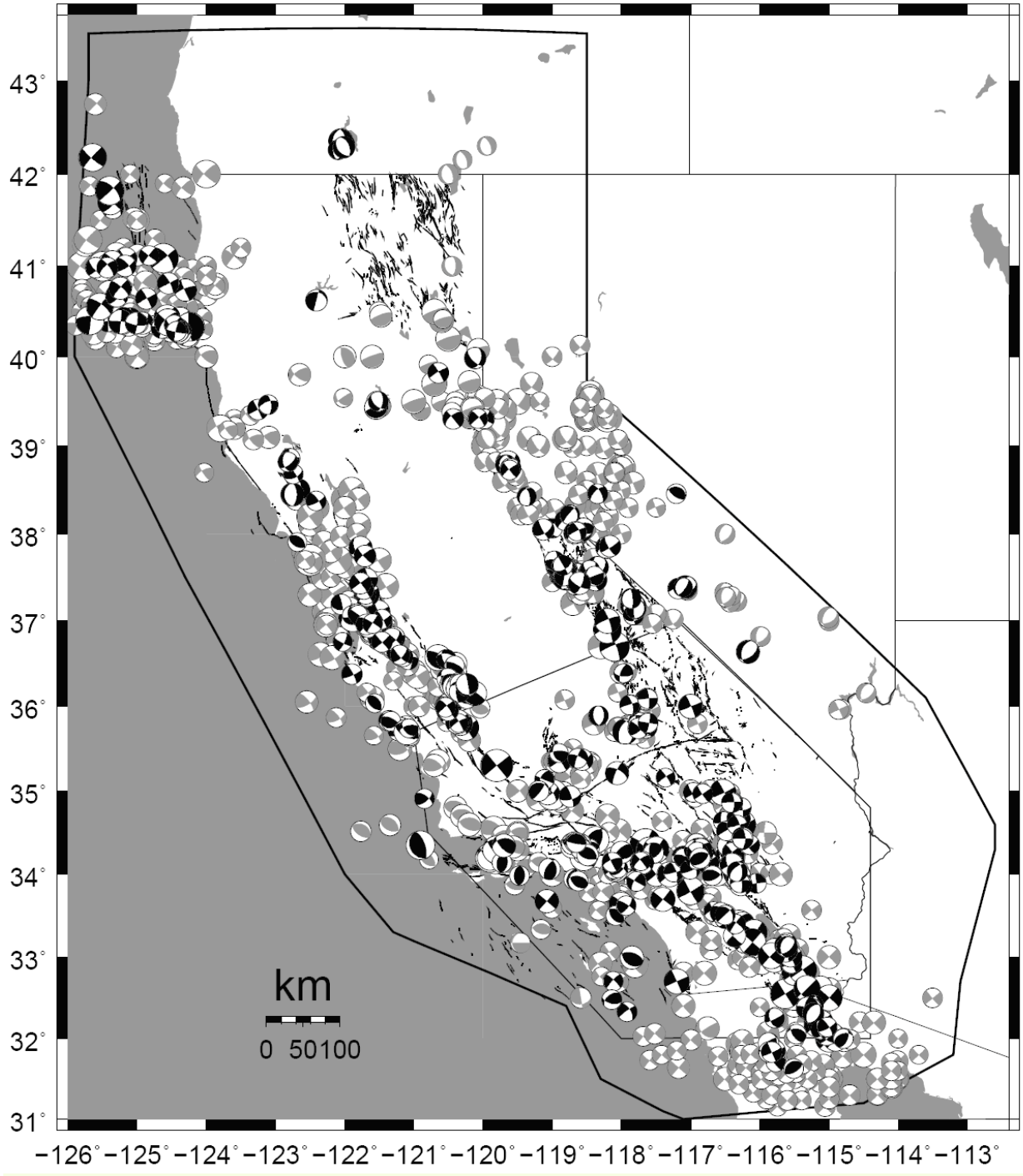
Estimating focal mechanisms for future earthquakes

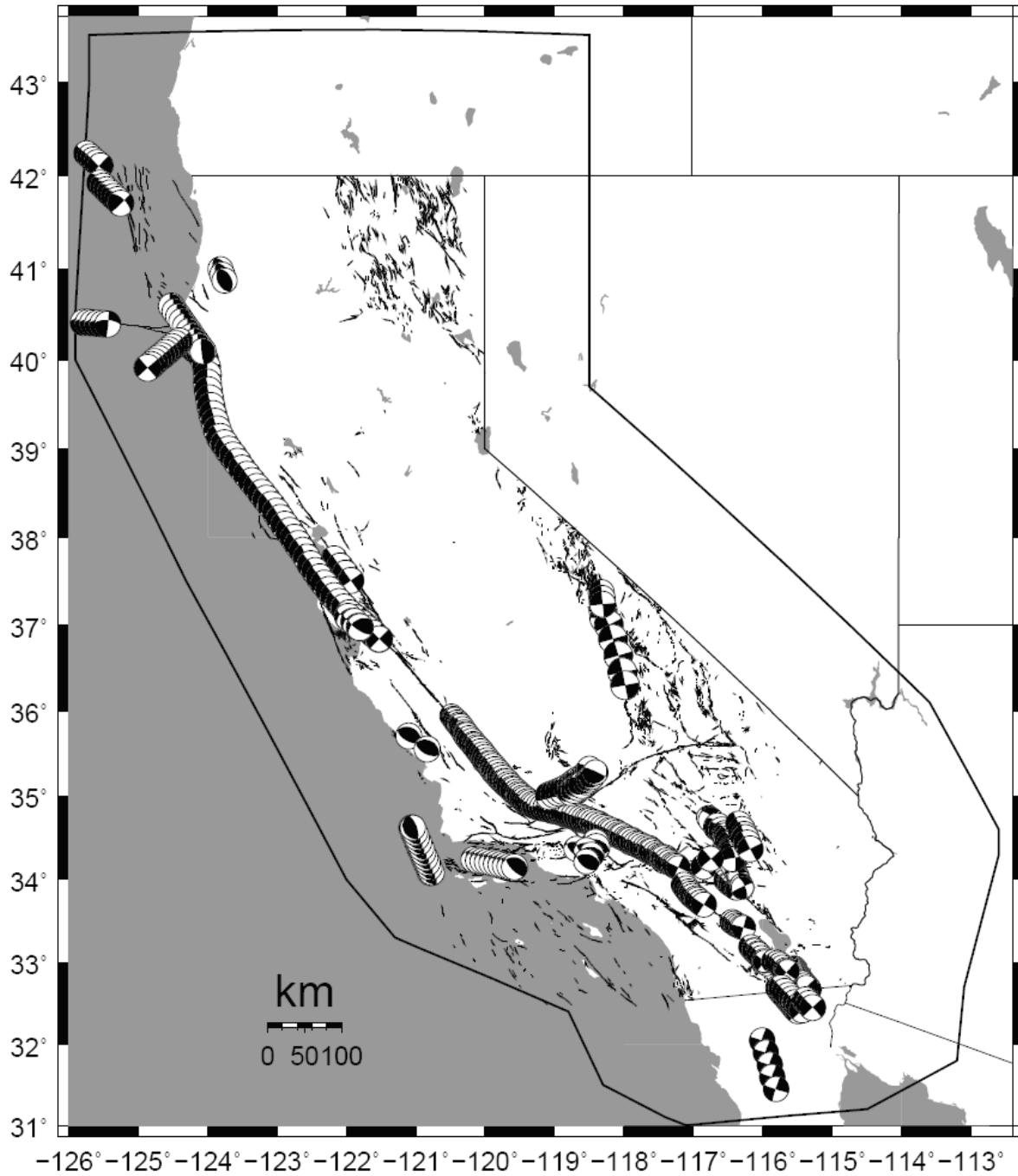
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Method

- Normalized moment tensor at given point is weighted average of moment tensors or nearby events.
 - Weighting kernel decreases with distance
 - Weight depends on magnitudes of events
 - Weighting optimized for best prediction
- Covariance is weighted average of second moment
- Fault plane orientation inferred probabilistically from fault planes of nearby earthquakes.







-126° -125° -124° -123° -122° -121° -120° -119° -118° -117° -116° -115° -114° -113°