## Si-005

## Accuracy of static displacements calculated by the Discrete Wave-number Method

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We estimate displacement field calculated by the discrete wave-number method. We focus the accuracy and stability of our computational scheme, particularly the DC component, which we set has been observed precisely by recent GPS network. We introduce an inverse fault model of 10km length, 5km width and low dip angle buried in half space. The static displacement is accurately only if we set a sufficient value of the maximum wave-number (> 8 times the wave-number of P wave).

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