

For Improvement of Focal Mechanism Analysis in JMA - Extraction of the Essential Factor -

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We investigate how observational values agree with theoretical values for polarities of P and S wave initial motion, and each amplitude ratio of them.

In result, in addition to polarities of P wave initial motion, those of S wave initial motion, especially those of SH wave initial motion, are effective for focal mechanism analysis. However, concerning amplitude ratio, there is no correlation between theoretical values and observational values.