

## Clustering of dynamic environment in the numerical simulation of accretionary prism by using neural network

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We examine an extraction of a dynamic quantity from the simulation result and a clustering of the dynamic environment. We calculate the distribution of the stress, the porosity and the strain in the accretionary prism which were constructed with numerical simulation, and we clusters the dynamic quantity using self-organizing maps that is a kind of the neural network. The cluster map suggests possible fluid flow paths.