

Search for the method of turbulent observation using an aquarium

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Deep circulation plays an important role in the global environment. Through our research, we contribute to clarify structure of the heat-transportation, which the huge circulation has something to do with reconstructing actual environment of the sea in aquarium.

We experimented the vertical directional turbulent observation by the method of new visualization. Specifically, we made different temperature colored layers in water, and then flowing the colored-water to crash model of seamount. We aim to observe the vertical directional turbulence which was created by disturbed colored-water. We recorded these experiments using a high-speed camera. We are going to report in detail.

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