

Handy type exhibition to learn how to estimate a hypocenter of an earthquake

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1. National Museum of Nature and Science

The National Museum of Nature and Science has an exhibition on learning how to estimate the hypocenter (epicenter) of an earthquake. Recently, we have made handy version of the exhibition that can be used for educations in schools and events.

This kit is composed of a laptop computer, six mice with trackball, six vibration units, and six amplifiers, so that up to six people can take part. Participants feel seismic waves from the vibration unit, then estimate the hypocenter from the arrival time at each station (people). Eighteen earthquakes that actually occurred in Japan are provided such as the 1995 Kobe, 2003 Tokachi, and 2011 Tohoku earthquakes.

This kit is available to use anywhere and is expected to be utilized in various situations: exhibition, education (including for teacher), and outreach.

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