

## Development of laboratory seismic exploration experiment for education and demonstration

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We developed laboratory seismic exploration experiment apparatus for education and demonstration. As an elastic medium, we use agarose-gel. Because agarose-gel is transparent and its s-wave velocity is 3 orders of magnitude smaller than the seismic waves that propagate earth's crust, we can easily observe wave-propagation by the photo-elastic technique. We report the detail of the experimental apparatus and practice of seismic exploration using the apparatus for high school students.