Abstract

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What If you had more data than you needed? Predicting tsunami behavior relies heavily on the resolution of ocean depth data. The larger the ocean grid, the better your simulations. Only there is a trade-off: more data points means more simulation time. Now, what if you could toss the data points you didn't need? Are there any ocean data points you don't need?! We think we have found a way to answer this question: by breaking the data structure to its ingredients and picking the ones with biggest effects. Stay tuned!