

A statistical approach to predicting a tsunami's wave height

Can the height of a tsunami's wave be predicted based on the distance from and the magnitude of a preceding earthquake?

Word count: TBD

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1 Introduction

Naturally occurring disasters such as tsunamis are devastating for people and resources residing in risk areas. These tsunamis are caused by many different types of natural phenomena such as landslides, collapse of seamount, or more rarely, the impact of a meteorite. This paper however will focus on one of the more common cases of tsunami; one caused by the earthquakes. This is due to earthquakes causing around 72% of earthquakes. [1]

Works Cited

- [1] *What Causes a Tsunami?* URL: <https://tsunami.org/what-causes-a-tsunami/>.