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T3.3-P01. A general data converter of seismic data, saving huge amount time of seismologists

Seismography is the science of exploring the earth through recorded data of traveling inside the earth from the source to the receiver. Seismologists are usually working with a huge amount of data and they are always encountering with the data format problem. Many companies and groups define their specific data format and while scientists are working on their projects they usually have the problem of matching data formats together. Sometime this data managing procedure waste remarkable time and heavily affects the main project. Based on usual data formats (SAC, GSE, MiniSEED, SEED, GCF, Seisan, ASCII, SSA2 V1) which are using inside Iran a general data converter is designed which converts various data formats together. This is developed on the basis of MATLAB programing and effectively reduces the time of private searches by researchers for data converting. It simply covers most popular data formats of the country and can changes different formats together. Detecting the data type will do by the program and the user just need to select his desirable format. Merging and splitting various components is also possible via this program. It could be useful for many global scientists to simply achieve their preferable formats.

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