# MD simulation of physical properties of earth interior

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Rheological properties of earth materials are very important for simulating earth dynamics. During several decades,experimental investigations of flow law and frictional law have been carried out from low to high temperature conditions but not in the very high pressure conditions reaching to lower mantle conditions. This is mainly due to experimental difficulty. Recent simulation methods for deducing the physical properties of deep mantle materials are potential to be successiful in esimating the rheological properies of them. Thus, we will construct a simulation rheology of earth interior in order to make modelling the earth dynamics.