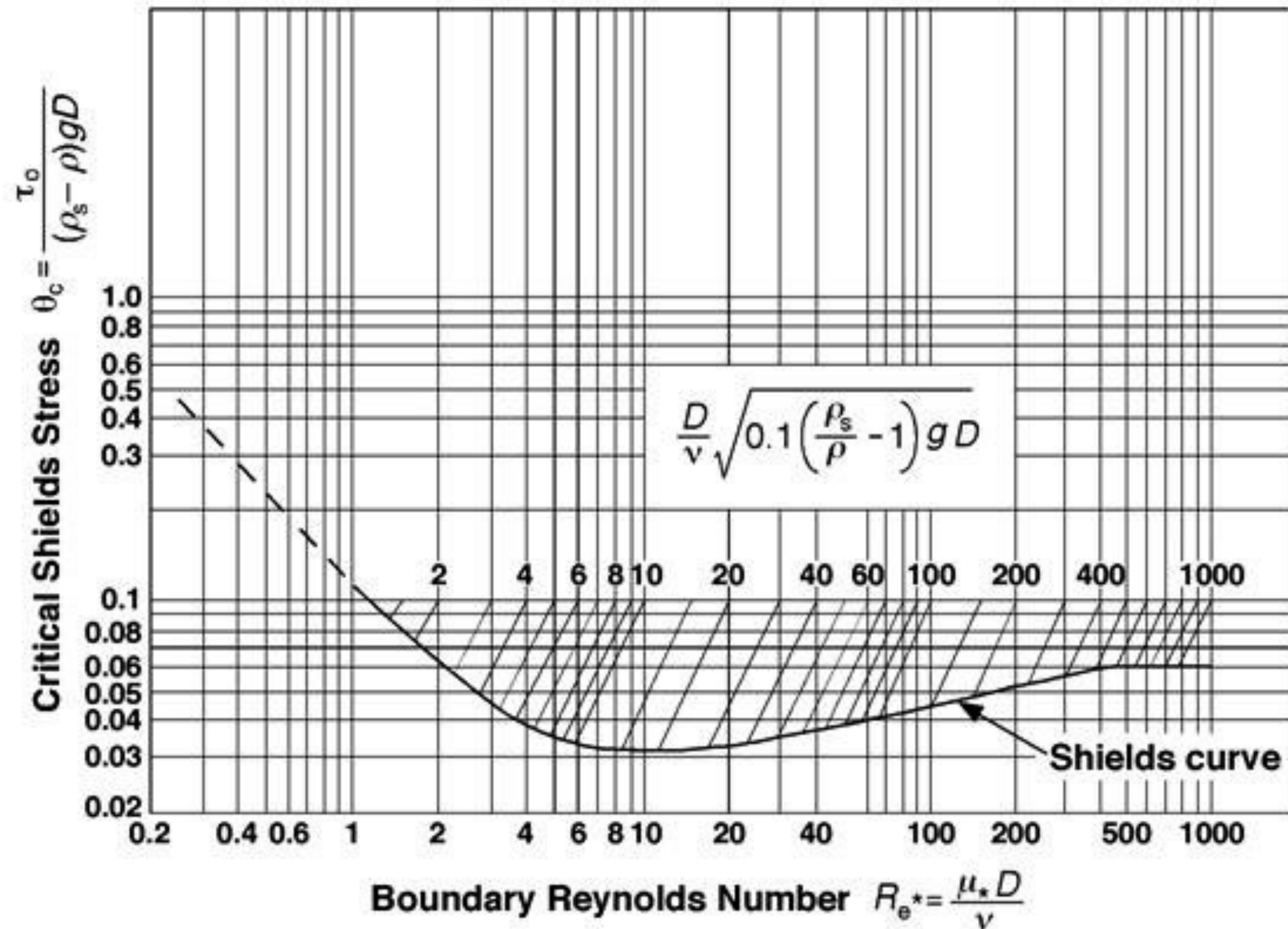


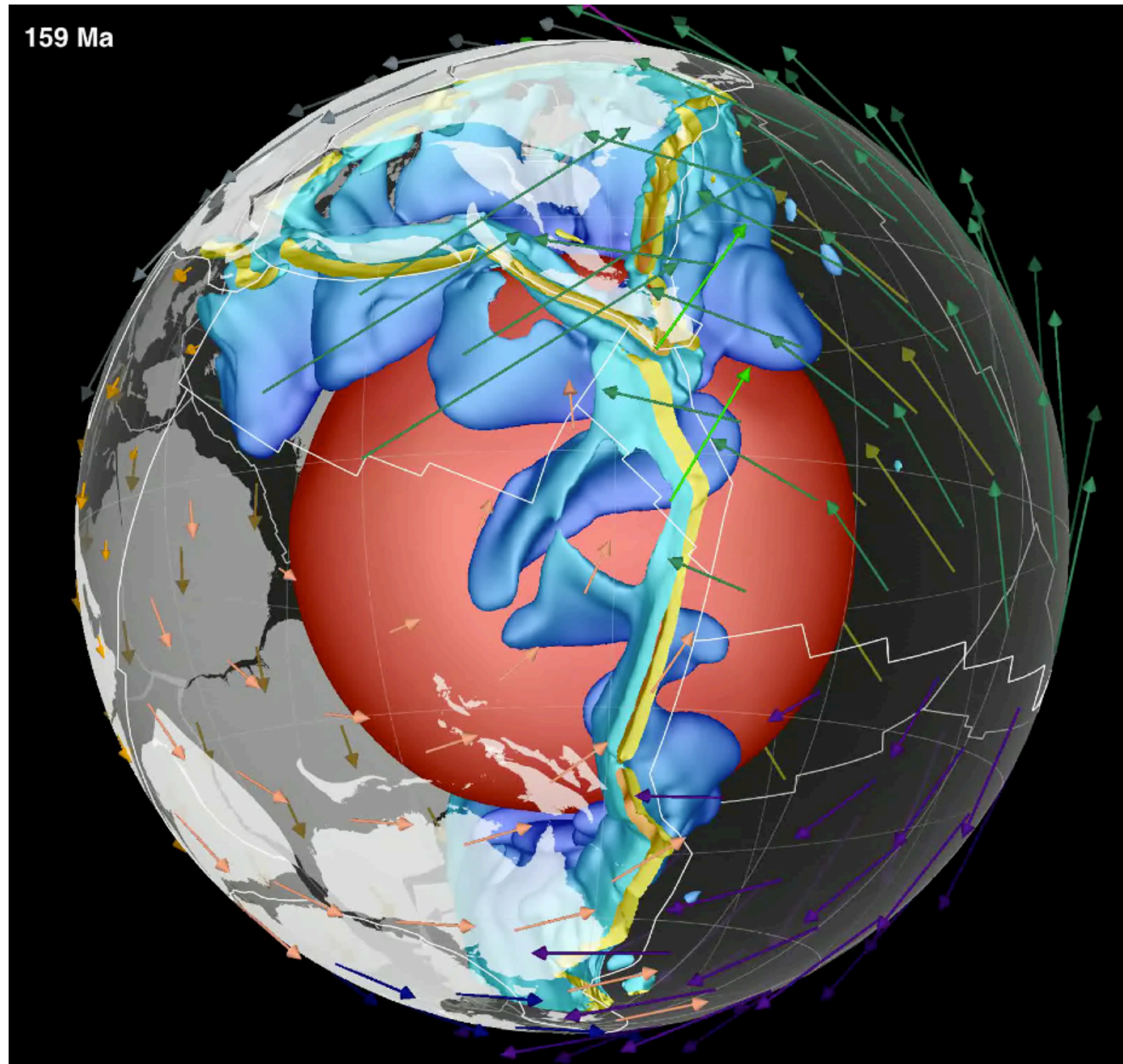
Incipient motion of sediment particles

Dimensional analysis on a particle leads to two
dimensionless numbers



Adding sediment transport to dynamic topography

Formation of Australian continental margin highlands



time-dependent interaction of plate motion with mantle downwellings and upwellings



Plate tectonics



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Mantle Convection

broad pattern of margin highlands uplift phases