

A CDROM containing simulation images for teaching geoscience -tsunami, seismic wave, pyroclastic flow, landscape evolution-

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We present a CDROM containing numerical simulation results as snapshots or rendering images for teaching geosciences. The Simulations are divided into two categories; i) Simulations developed by experts in geoscience are simplified and visualized. ex. tsunami, seismic wave propagation. ii) Applying "steepest descent", new algorithms are developed. ex. pyroclastic flow, erosion(landscape evolution)

For visualization, PovRay3.0(a freeware raytracing tool) is used. Moreover, considering the facility for classroom use, N88BASIC on MSDOS was employed as a programming language for prototypes, and is changed to C language on Linux. Thus, the simulations can run on many PC without the care of costs and licenses. Also, our CDROM will be available as a freeware.