Lagrangian Geology module
Bad docs

August 22, 2022

Fully custom generation support.

Just one step of gen is not enough.

3D biome many ids system

Rocks

Can generate rocks on predefined and custom generations.

Collided or not (Giant impact hypothesis, true - igneous rocks, false - metamorphic dominant).

World divided by tectonic plates (getted post-factum (tricky) in predefined generations).

Divided by areas of rocks (orogen, shield, yield etc)

Dominant elements is oxygen and silicon in vanilla generation.

Main types of rock

Igneous intrusive, extrusive

Sedimentary Clastic, Chemical, Clay, Other

Metamorphic meta if knowntexture: Schists, Gneisses, Granofelsfaces: Eclogite, Blueschist etc sedimentary para or igneous meta A hornfels is a granofels that is known to result from contact metamorphism.

//Dominant minerals ionic.

trace and antitrace element

Continental Oceanic

Islands Mounts Volcano

World layers

sediments, evaporite

1. Regolith (soil)

2. Bedrock layers

3. "Bedrock" and Void (instead mantle - too small height)

 Bedrock parts

1. Country rocks - oxides, silicates, carbonates, aluminates (?) etc - compounds of most abundant elements.

2. Igneous intrusives, rare/valuable rocks (pipes, veins, VMS, BIF, skarn etc) on country rocks.