Geometry



Sensor.py

#Sensor parameters

azimuth = uniform() look_angle = gaussian() gsd = uniform()



Sun.py

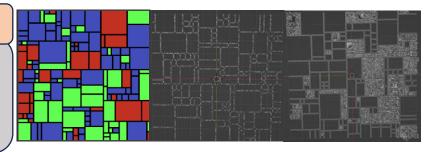
#Sunlight parameters

elevation = uniform() intensity = uniform() color = [uniform(),uniform()]

Grid_based.py

#Grid-based parameters

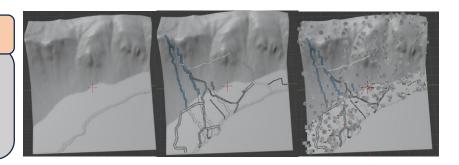
district num = randint() district_size = randint() obj density = uniform()



Terrain_based.py

#Terrain-based parameters

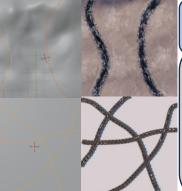
flat area = uniform() mountain_area = uniform() tree_density = uniform()



Road/River.py

#Road/River parameters

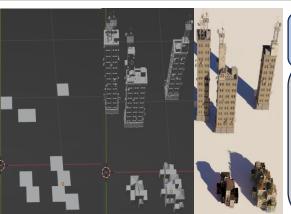
river_num = randint() road_num = randint() width = uniform()



Building.py

#Building parameters

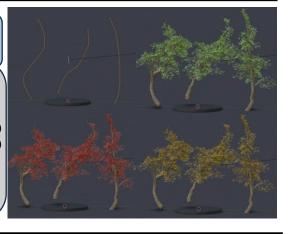
height = uniform() type = select() roof_angle = uniform()



Tree.py

#Tree parameters

trunk = Sample Noise() branch_num = randint() leaf_num = randint()



Manual



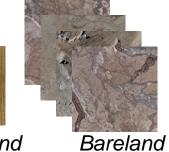
Prompts



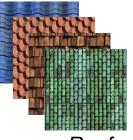
Stable Diffusion











Roof

Rangeland

Agriculture land