

# gmsim\_v16.1.1

This is the Graves and Pitarka 2016 version as published in BSSA.

<https://pubs.geoscienceworld.org/ssa/bssa/article/106/5/2136/350935/kinematic-ground-motion-simulations-on-rough>

## Computational Implementation

With the binary and yaml workflow, the root\_defaults.yaml script should be the following for a 100m grid run:

```
bf:
  version: 5.4.5
  dt: 0.005
  rvfac: 0.8
  sdrops: 50
  path_dur: 1
  kappa: 0.045
bb:
  version: 3.0.4
  site_specific: false
  fmin: 0.2
  fmidbot: 0.5
  lfvsref: 500.0
emod3d:
  emod3d_version: 3.0.4
flo: 1.0
dt: 0.005
```