# STZ Model

Contains data related with the STZ project

In order to compile the code (OSX operating system):

1. Download and unzip esim.zip
2. $cd esim/
3. $cp config/config.mk.mac config.mk (since we are referring to a MAC computer)
4. $cd coord\_transforms/simple\_shear/
5. $make clean
6. $make

After compiling the code, run ‘shear\_energy’ using the following command structure

./shear\_energy qs pe.0 BETA U0 chi\_len CHI\_LEN kappa KAPPA c0 C0 eps0 EPS0 Omega OMEGA theta THETA Delta DELTA chi\_inf CHI\_INF sy SY mu MU K K rho RHO

Where the capitalized placeholders:

BETA, U0, CHI\_LEN, KAPPA, C0, EPS0, OMEGA, THETA, DELTA, CHI\_INF, SY, MU, K, RHO

should be replaced with numeric values.

IMPORTANT

The compiler you have installed in your computer must be compatible with the configuration defined in config.mk.