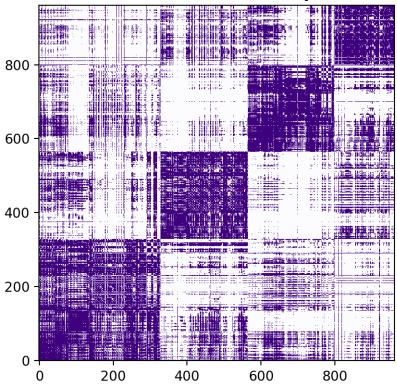
Output

To plot an interaction map, please enter the file name: hamreal1-C.dat This is what the first 10 by 10 matrix looks like:

[[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]
[1. 1. 1. 1. 1. 1. 1. 1. 1. 1.]

Atom Interaction Map



Map is generated.

The dimension is: (961, 961)

The two partial matrices associated with the first two interaction info:

```
[[-0.4955 0. 0. 0. ]

[ 0. -0.1939 0. 0. ]

[ 0. 0. -0.1939 0. ]

[ 0. 0. 0. -0.1939]]

[[-0.22332459 -0.06446747 0.03992473 -0.22968922]

[ 0.06446747 -0.06602348 -0.01421713 0.08179194]

[ -0.03992473 -0.01421713 -0.08017556 -0.05065379]

[ 0.22968922 0.08179194 -0.05065379 0.20243385]]
```

The dimension of M is: (3844, 3844)