

## **MATLAB scripts: effsrcdim to calculate effective source dimensions of earthquake slip models.**

Thingbaijam, K.K.S. (thingbaijam@gmail.com)  
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I will be filling up this readme file. At the moment, I am having a sort of writer's block.

Some of the important things:

### **DISCLAIMER**

We neither produce commercial software. Our codes come naturally without warranty. However, we are glad to assist as much as we can with respect to the installation and use of our codes. To report any bug with the effsrcdim scripts, kindly email to Thingbaijam@gmail.com.

### **USAGE**

The basic function is **effdim()**, which can be applied to 2-D slip array with model parameters. For instance, if you use FSP file or any other format, you will have to extract the required input parameters from the file and supply it to this function.

For the SRCMOD MAT format, one can directly use **effectivemodel()** in a loop without plots, or use **effdimsrcmod2()** for plotting as well. These two functions are optimized for the MAT format.

At the moment, I hope the comments in the MATLAB scripts will be useful in getting started. Near future, this readme file will be updated to include examples.