

1. Filename: 1bichack0.m checks the bistability of the 0-dimensional case and compares it with the theoretical one.
2. Filename: 2EF0point3SearchSta.m This file is to observe the steady state and once a steady state is observed Stop the program using `ctl+c` button and save the file in a .mat format in the matlab command window.
3. Filename: 3EF0point3SearchStaNoise.m This file comes after the above file. Using Load command the .mat file is loaded and when noise is added to the electric field we observe light bullets in the bisection laser cavity.
4. Filename: 4EF0point3SearchStaNoiseIma.m This file is used to save an .avi file in two dimensions. The figure format must be first tuned according to one's wishes using the `colormapeditor` command in the command window of the MATLAB. Next comes generating the m-code from the figure window. Next comes copying the code from the file and then transfer it to the next run file. As an example, I am enclosing a figure file in the arrange folder (see filename: 5ExColarmapeditor.fig). For density plots one has to use `IMAGESC` command and for 3D figures it is either `SURF` or `MESH`.
5. Filename: 6bisection3d.m file checks the cavity light bullets case for the bisection pumping case.
6. Filename: 7my2DbistabilityCheckFlat2.m checks the bistability case for the flat pumping case in $1 * 16$ dimensional case.
7. Filename: 8my2DbistabilityCheckBi1.m checks the bistability case for the bisection pumping case in $1 * 16$ dimensional case.
8. Filename: 9my2DbistabilityCheckFlat3.m checks the bistability case for the flat pumping case in $16 * 16$ dimensional case.
9. Filename: 10my2DbistabilityCheckBI3.m checks the bistability case for the bisection pumping case in $16 * 16$ dimensional case.