

```
1 function plotModeShapeAll(folder)
2     modelDefFilePath = "." + folder + "\Model";
3     modeShapeDirPath = "." + folder + "\ModalAnalysis\Pre-gravity\";
4     for i = 1:6
5         mode = i;
6         scale = 500;
7         nDim = 3;
8         loadStep = 2;
9         defScale = 10;
10        crdTransfMatrix = eye(3);
11        undefColor = 'b';
12        undefLineWidth = 1.5;
13        defColor = 'r';
14        defLineWidth = 1.5;
15        figNum = i;
16        plotModeShape(modelDefFilePath, modeShapeDirPath, mode, scale, nDim, crdTransfMatrix, undefColor, undefLineWidth, defColor,
defLineWidth, figNum);
17        grid off;
18        h = findobj('Type','line'); set(h,'LineWidth',1,'MarkerSize',1,'MarkerFaceColor','none');
19
20        xlabel("EW");
21        ylabel("NS");
22        title("Mode " + i);
23
24        set(gca,'xtick',[],'ytick',[],'ztick',[])
25        set(gca,'xticklabel',[],'yticklabel',[],'zticklabel',[])
26
27 %     view(30,45)
28 %     print_figure("Mode " + i + " 3D View",[2,4]);
29
30 %     axis([-200 500 -200 500 0 2400])
31 %     view(0,0)
32 %     print_figure("Mode " + i + " EW View",[2,4]);
33     axis([-200 500 -400 300 0 2400])
34     print_figure("Mode " + i + " Top View",[2,2]);
35 end
```