

Chapter 1

`ex1MEMScap.m` generates Figure 1.2b.

`ex2MEMScap` generates figure for Problem 1.7.

Chapter 3

`torsionalComb.m` generates Figure 3.22

`gyroColor.m` draws a geometry for a simple z-axis gyro actuated along the x-axis via variable-area electrodes and senses Coriolis force in the y-direction via variable-gap electrodes (Figure 1).

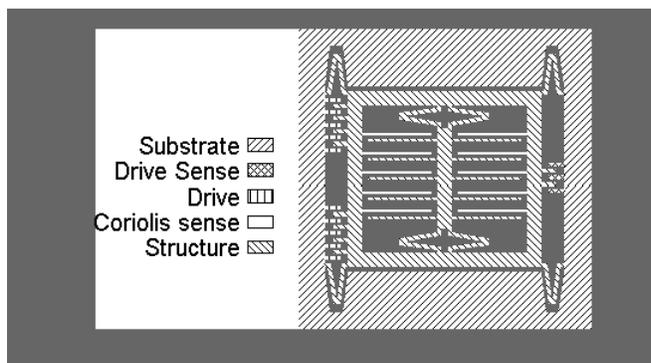


Figure 1: the output of `gyroColor.m`

Chapter 5

`thermalNoiseCUP.m` generates Figure 5.33

`thermalPlusPinkCUP.m` generates Figure 5.38

`pllWaves_v2_CUP.m` generates the waveforms of a gyro system-level model and Figure 5.54

Modulation plots of Figure 5.16, Figure 5.21, and Figure 5.25 are created by functions `timeDomainModulation1.m`, `timeDomainModulation2.m`, and `timeDomainModulation3.m`, respectively.

Chapter 6

The implementation of distributed electrostatic force that generates Figure 6.16 is in `iterateFe_CUP.m`

Modal analysis of a simple MDF model for a cantilevered beam (see Figure 6.20) is in `cantBeamMDF_CUP.m`.

The full implementation of Example 6.6 is provided in the function `MDFodeIC_CUP.m`

`simplyHeldBeamMDFk_CUP.m` implements the MDF model for a beam held by two springs and generates Figure 6.49

Chapter 7

`createFig7p21.m` generates Figure 7.21

`spinGyro_CUP.m` generates Figure 7.22

`gyroBeam_CUP.m` plots the free beam held at its nodes and generates Figure 7.32.

Chapter 8

Appendix A

Appendix B

Appendix C

`cubicSi_CUP.m` draws Figure C.7. `cubicSi.m` can be used to look closer into the structure of Si lattice.

Appendix D