Final Exam practice questions

MSE 270, Atomistic Materials Science
Shriram Ramanathan

1. *Prove that a disordered FeCo magnet will have extinctions for elastic X-ray scattering*

2. *For $2_1 ||$ **c**, derive extinction criteria for (00l) reflections*

3. *For arbitrary intersection of two mirrors, derive the rotation axis.*

4. *For $\bar{4}$ operating with vertical mirrors, derive (a) order of rotation axis that is created and (b) orientation with respect to mirrors.*