Quasicrystals

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I. Reading

• M. Senechal, *Quasicrystals and Geometry,* Chapter 3: "Introduction to diffraction geometry."

• P. M. Chaikin and T. C. Lubensky, *Principles of condensed matter physics,* Chapter 2: "Structure and scattering."

• R. H. Silsbee and J. Dräger, *Simulations for solid state physics (SSS),* Chapter 3: "Diffraction in perfect and imperfect crystals." I strongly recommend that you play around with the simulation as you read through the chapter.

II. Problems

No official problems this time, but again, I urge you to try out the "laue" simulation in *SSS.*