

Projective Geometry and Perspective with Geometer's Sketch Pad

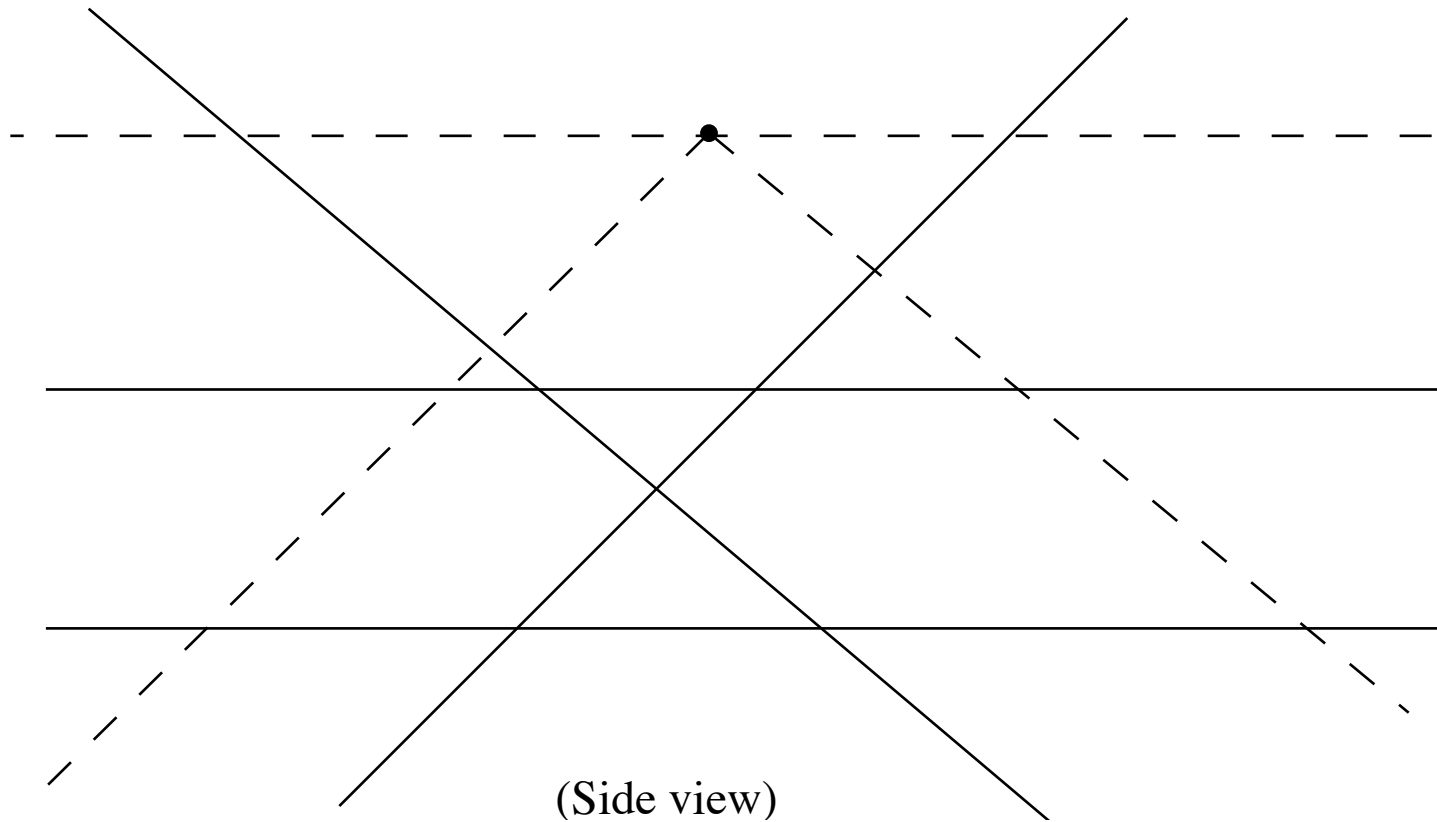
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What is projective geometry

- ❖ A physics experiment
- ❖ Two-dimensional representations of the three-dimensional world from different perspectives
- ❖ The *projective plane*

Different *affine planes* within the projective plane



Exercises

- ❖ Drawing a cube
- ❖ Tiling a plane; erecting a pyramid
- ❖ Desargue's Theorem
- ❖ Harmonic Conjugates