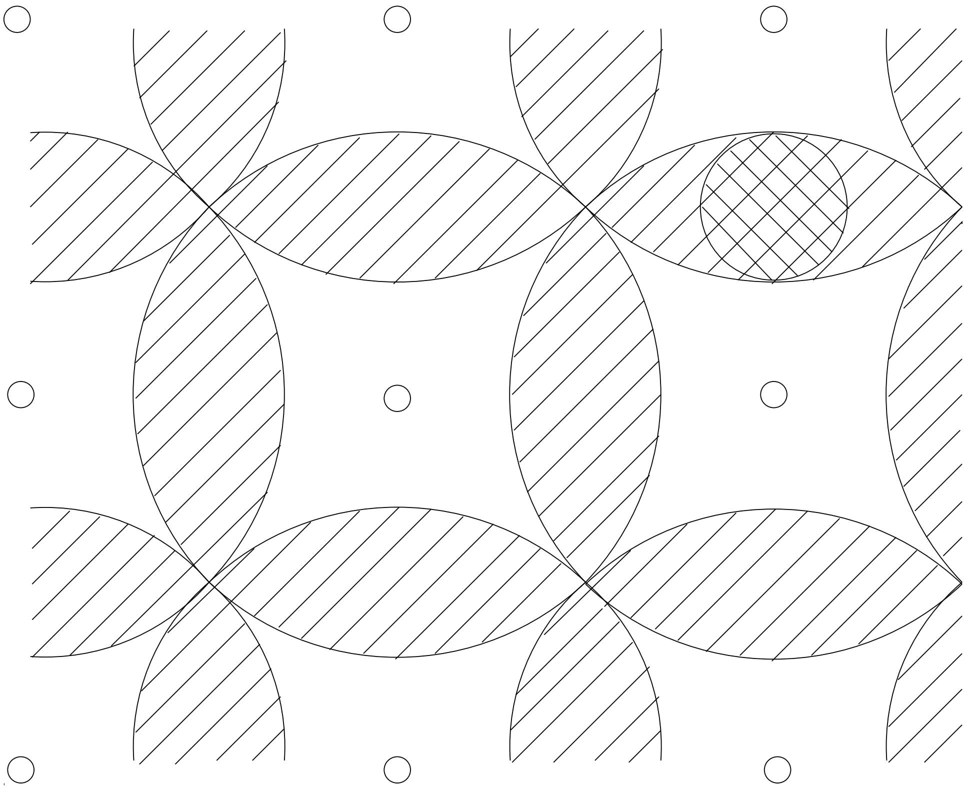

Figure 1. The covering multiplicity of the square lattice $I_2$ (small circles) is 2, since all points in the open lunes (shaded) are covered twice. An umbral circle is shown doubly-shaded.