

Figure 1 is a simulated astronomical image. It features a bright central source with a prominent four-lobed pattern, characteristic of a point source in a diffraction-limited system. The background is dark and filled with numerous smaller, fainter sources. Several of these sources are highlighted with green dashed ellipses, indicating they are part of a specific sample. A few sources are also highlighted with blue solid ellipses. The image is labeled with axes from 0 to 700, with major ticks every 100 units. The x-axis is labeled at the bottom, and the y-axis is labeled on the left side.

