

Here is a venn diagram produced with Asymptote, drawn to width 4cm:

Each graph is drawn in its own environment. One can specify the width and height to  $\text{\LaTeX}$  explicitly. This 3D example can be viewed interactively either with Adobe Reader or Asymptote's fast OpenGL-based renderer. To support `latexmk`, 3D figures should specify `inline=true`. It is sometimes desirable to embed 3D files as annotated attachments; this requires the `attach=true` option as well as the `attachfile2`  $\text{\LaTeX}$  package.

One can also scale the figure to the full line width: