

Figure 1: Standard grid in the complex plane

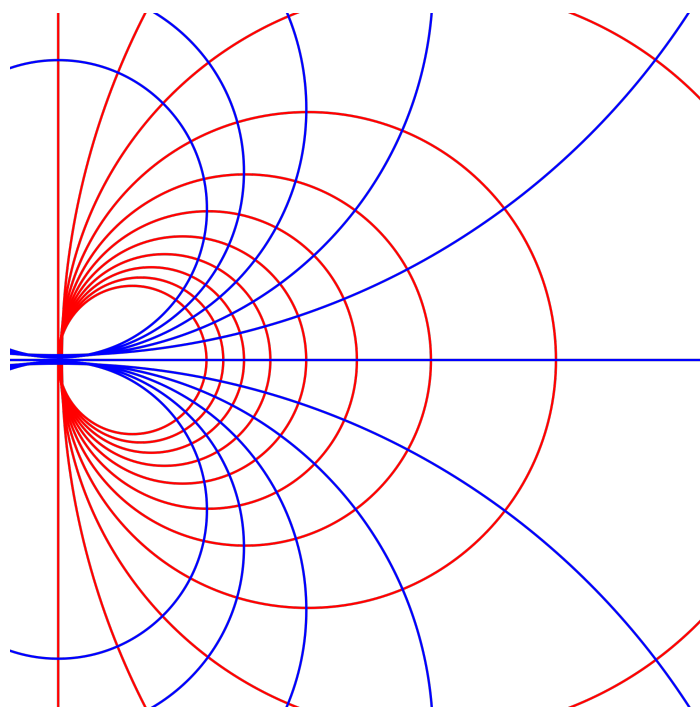


Figure 2: The same grid after applying the function $z \mapsto \frac{1}{z}$
 (which is the Möbius transformation given by $\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$)