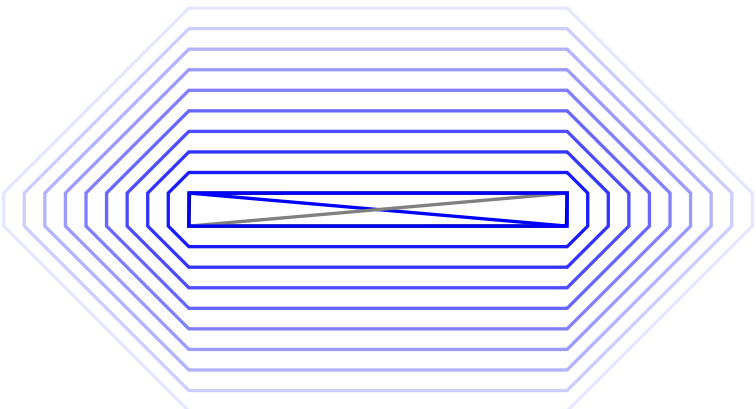

$\theta = 175.0^o$