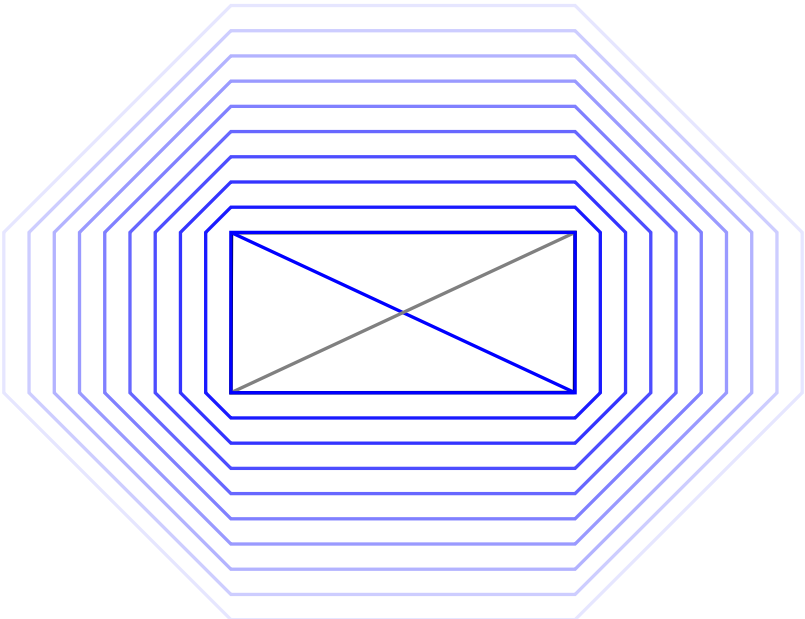

$\theta = 155.0^o$