



Centre for Metamaterial
Research and Innovation

EPSRC Centre for
Doctoral Training
in Metamaterials

XM^2



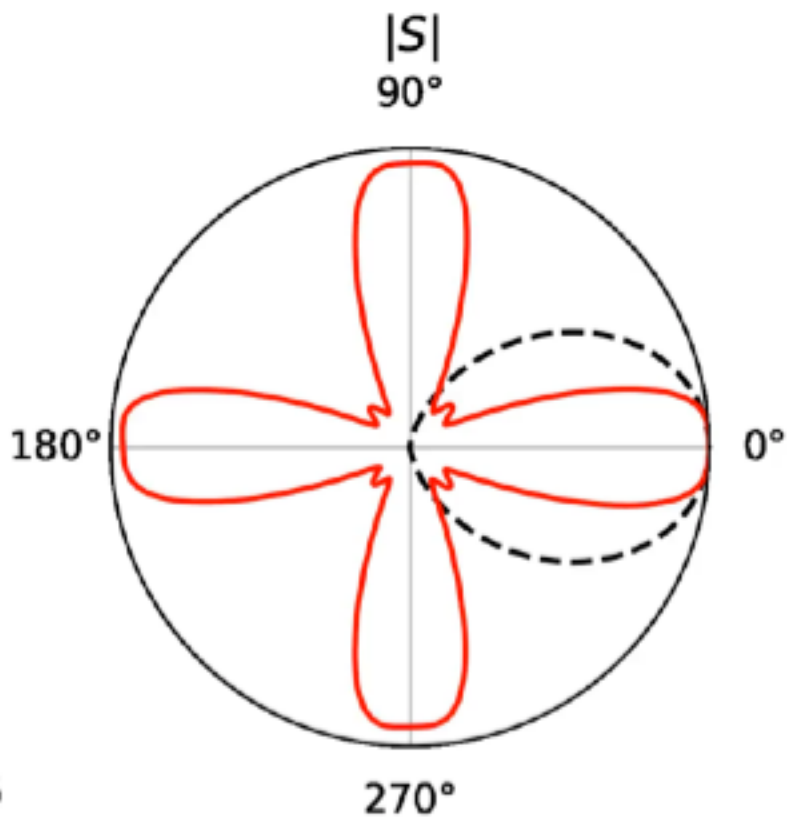
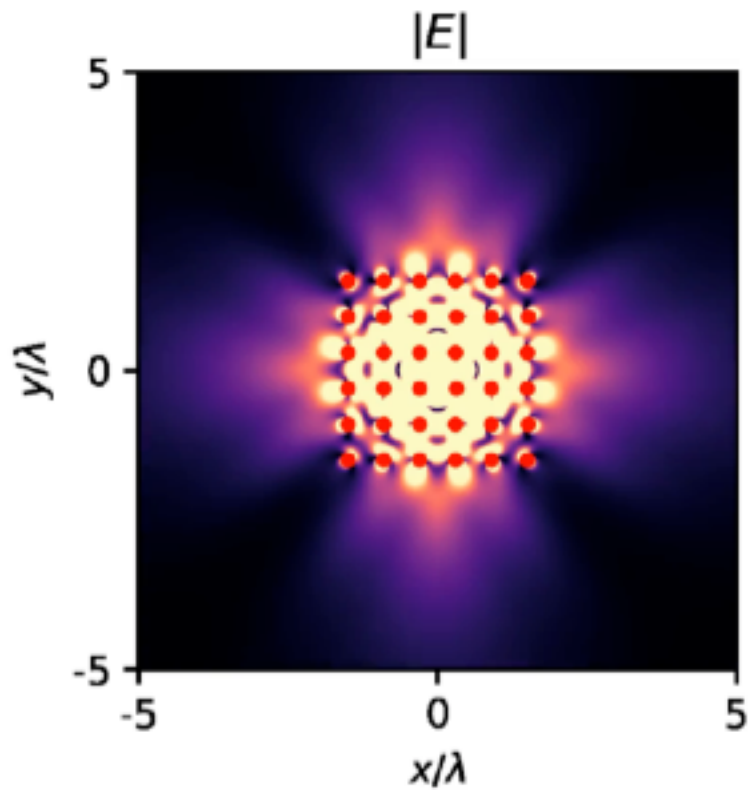
Engineering and
Physical Sciences
Research Council

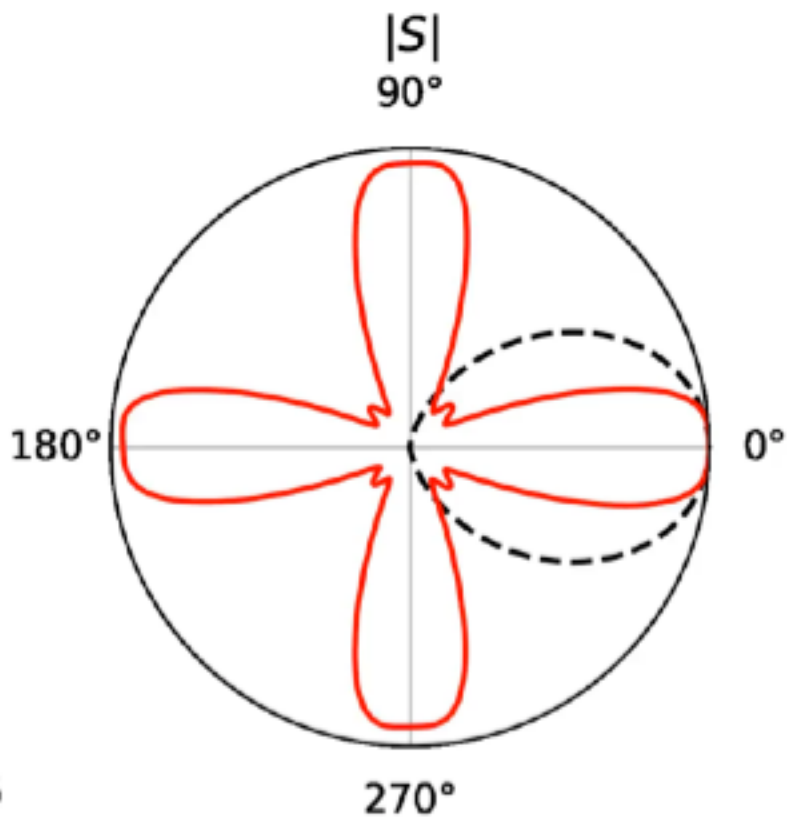
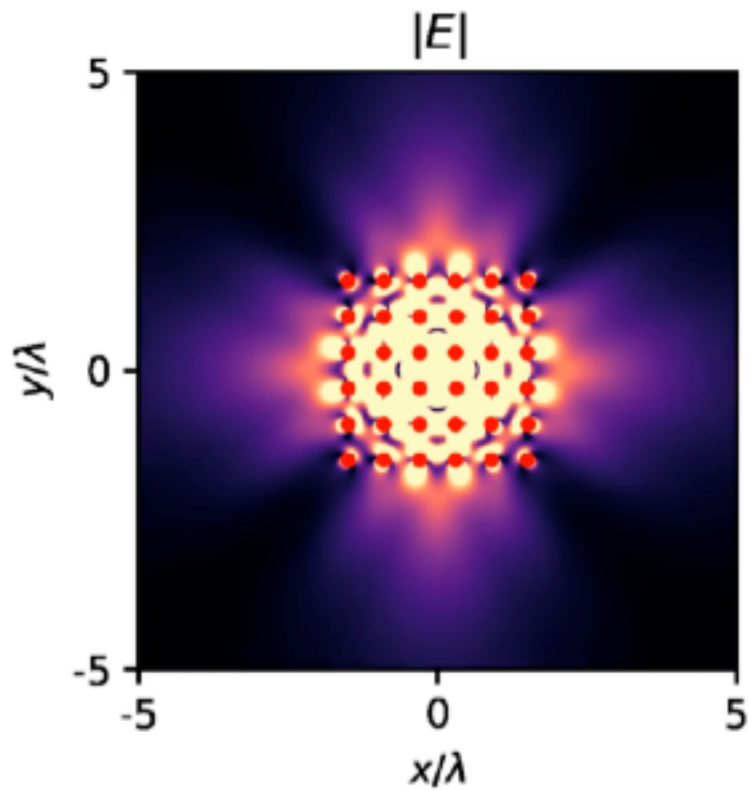
[www.nmetsmaterialscenter](http://www.nmetsmaterialscenter.com)

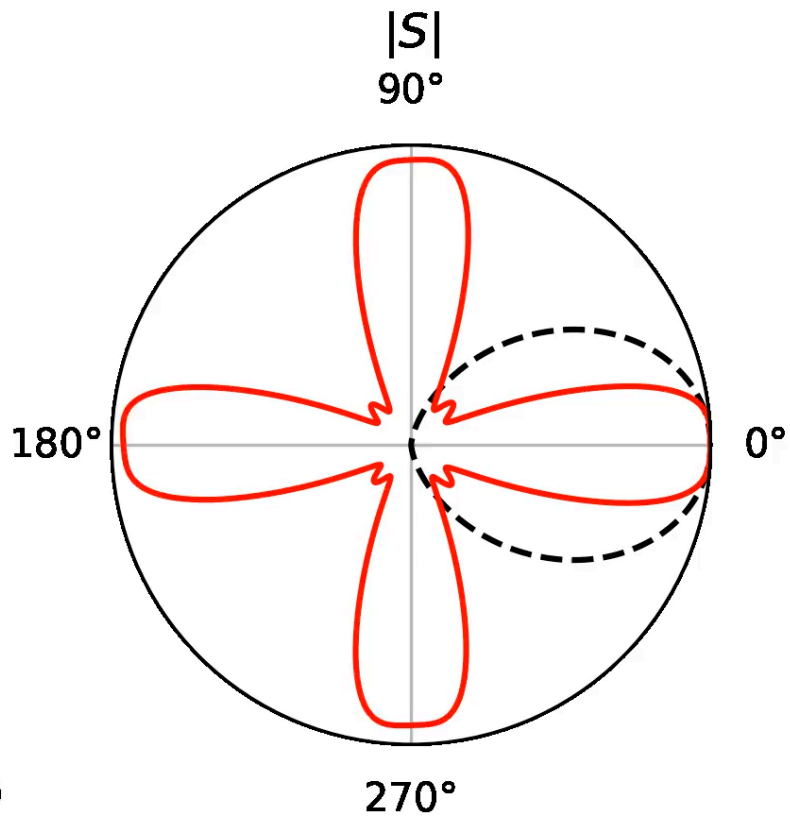
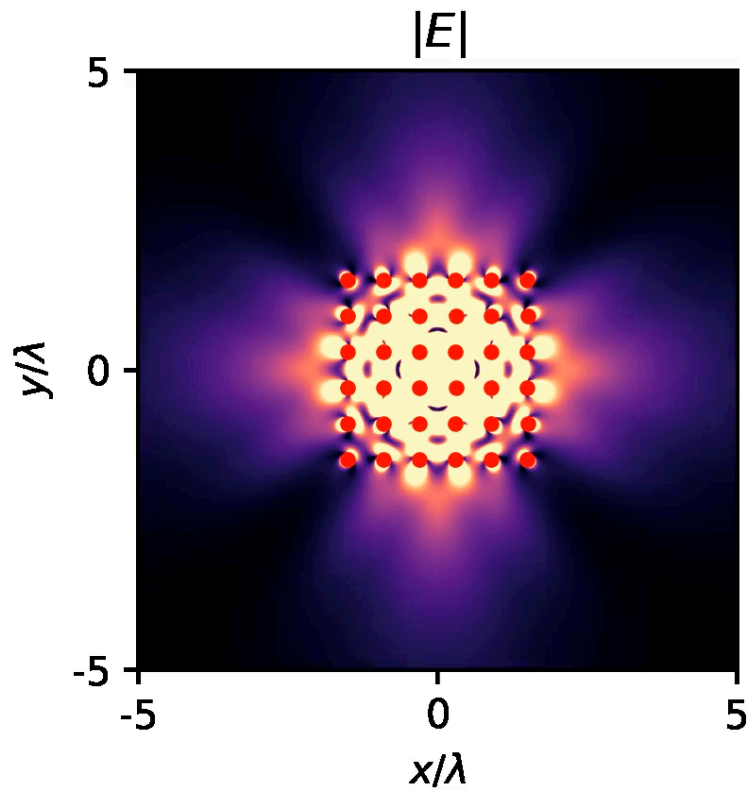
Far-field snapping



$$F = \frac{1}{\sqrt{\int d\theta |S(\theta)|^2} \sqrt{\int d\theta \phi(\theta)^2}} \int d\theta |S(\theta)| \phi(\theta)$$

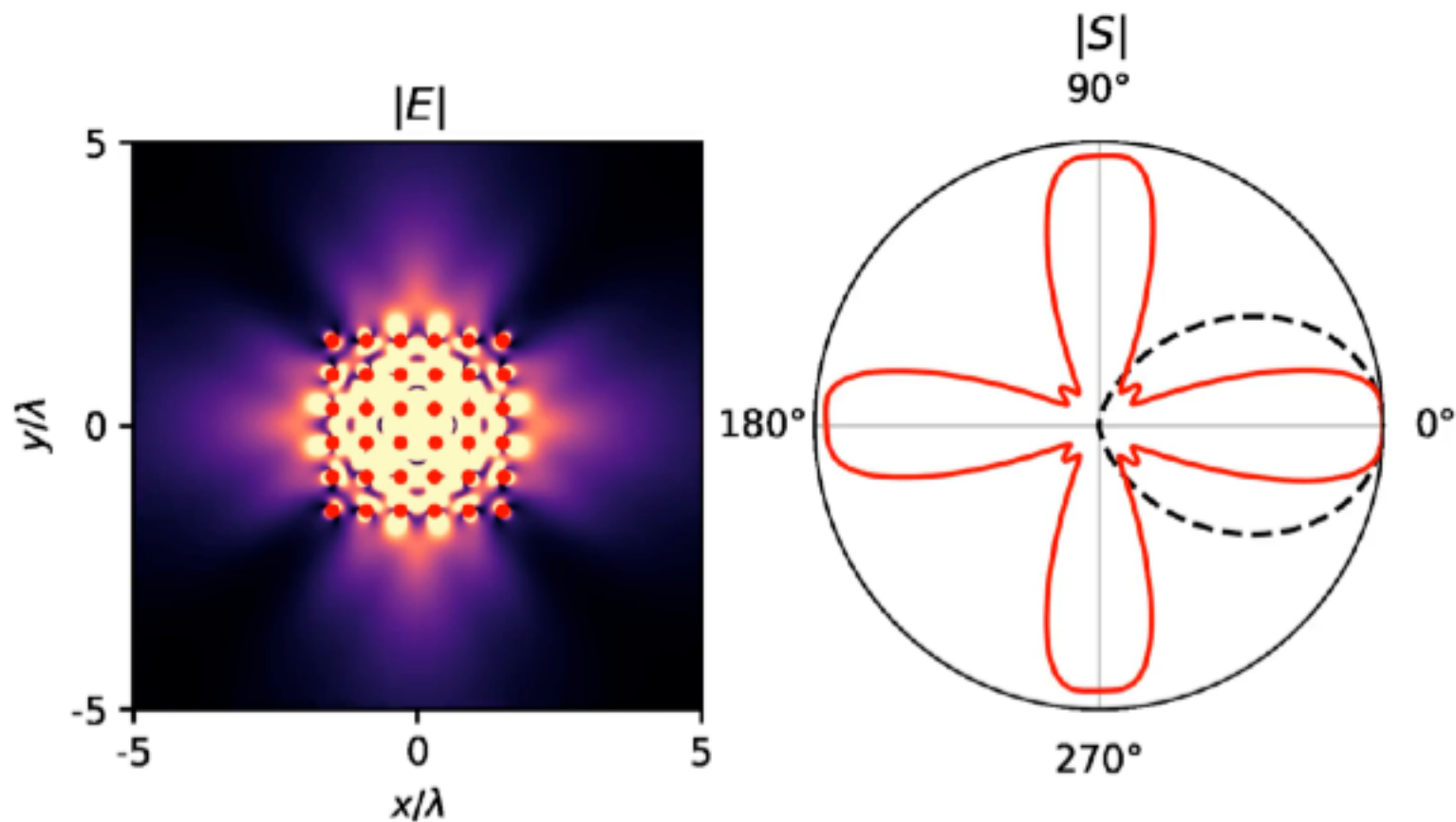






Far-field Shaping

$$F = \frac{1}{\sqrt{\int d\theta |S(\theta)|^2} \sqrt{\int d\theta \phi(\theta)^2}} \int d\theta |S(\theta)| \phi(\theta)$$



Far-field Shaping

