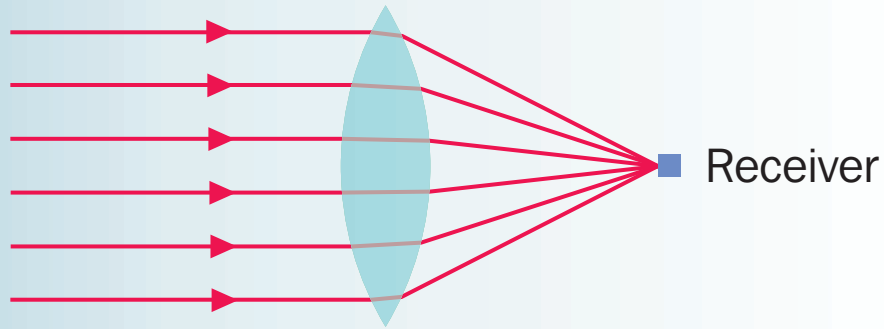
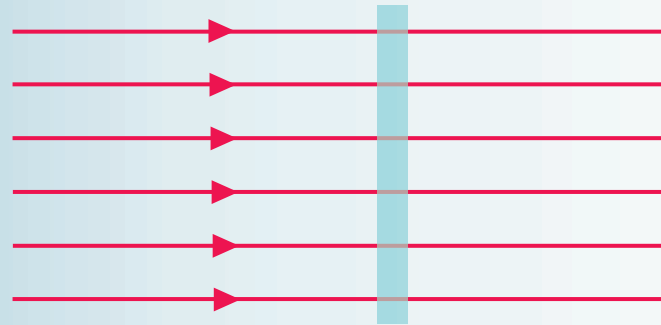


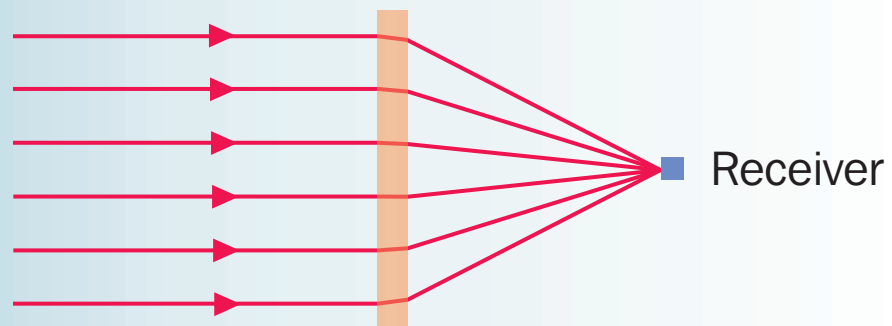
Parabolic lens



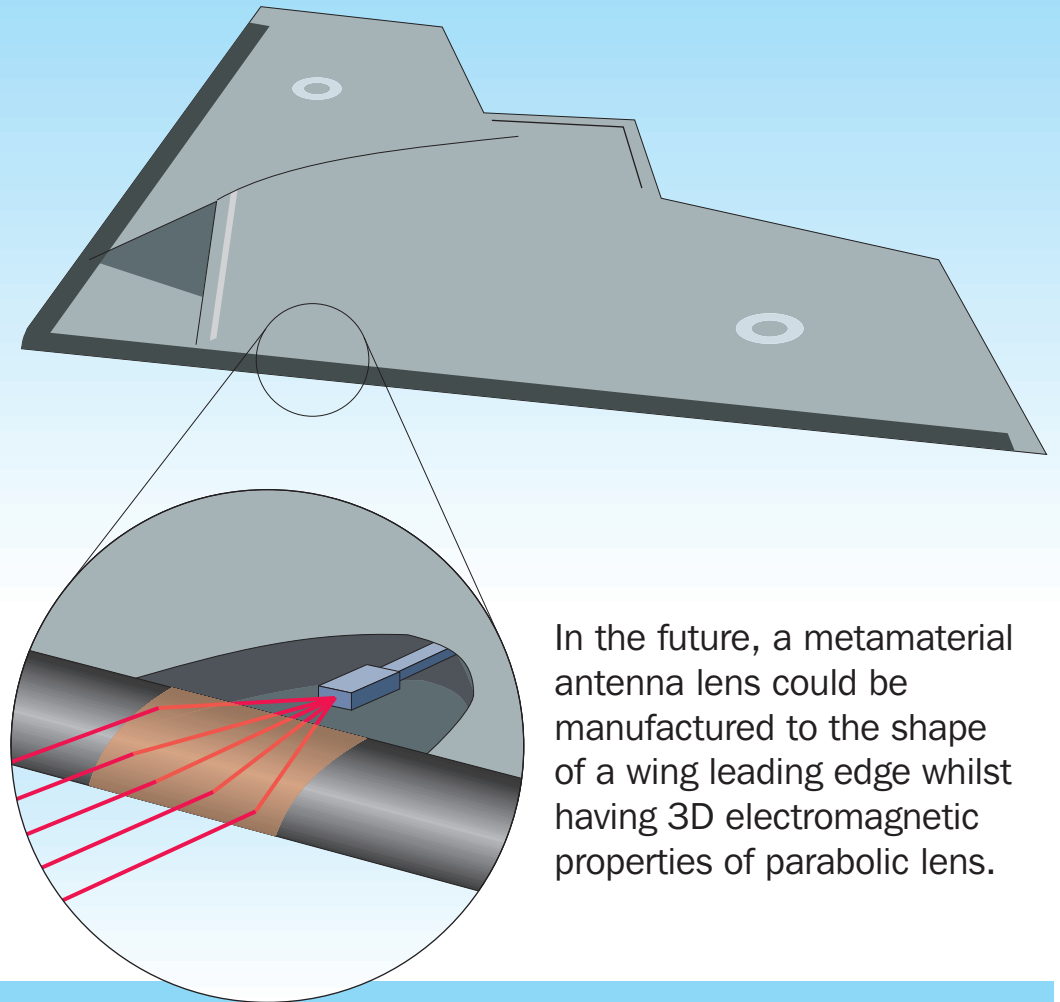
Flat lens made from conventional material



Metamaterial flat lens



Future unmanned air vehicle



In the future, a metamaterial antenna lens could be manufactured to the shape of a wing leading edge whilst having 3D electromagnetic properties of parabolic lens.

POTENTIAL BENEFITS

- Lower radar cross-section
- Improved aerodynamic properties
- Reduced weight
- Simpler integration