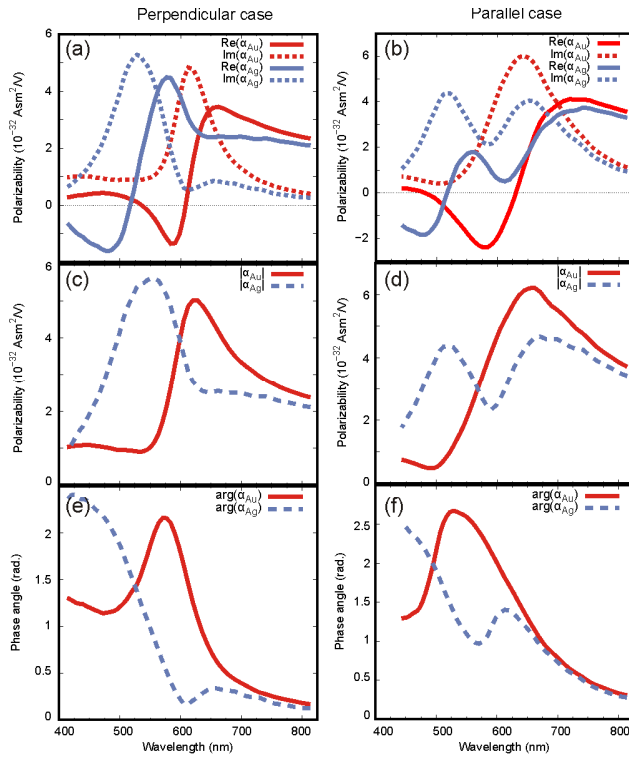


**Supplementary information for "A Bimetallic
Nanoantenna for Directional Colour Routing"**

by Timur Shegai, Si Chen, Vladimir D. Miljković, Gülis Zengin, Peter Johansson, and

Mikael Käll.

Greens' function calculations.



Supplementary Figure S1. Magnitudes and phases of dipoles extracted from Greens' function calculations of Au-Ag dimers for perpendicular and parallel polarization cases. (a-b) Real and imaginary parts of gold and silver polarizabilities, defined as $\alpha=p/E_{\text{ext}}$, where p is the in-plane dipole moment and E_{ext} is the external electric field. (c-d) Absolute values of polarizabilities. (e-f) Phases calculated as arguments of complex valued polarizabilities.