24th Australian Institute of Physics Congress



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Complete Conversion of Unpolarised to Polarised Light with Metasurfaces

Wednesday 14 December 2022 12:00 (15 minutes)

We design and experimentally demonstrate topologically optimised free-form metasurfaces that efficiently convert unpolarised light from LEDs or other common sources to the same pure output polarisation, exceeding the 50% limit of conventional polarisers.

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