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Type: **Talk (preferred)**

Inverse-Designed Metasurfaces for High-Efficiency Sum Frequency Generation

Tuesday 13 December 2022 17:00 (15 minutes)

We developed an inverse design scheme to optimise the design of nonlinear metasurfaces for sum-frequency generation with any combination of optical wavelengths, achieving a high efficiency exceeding unpatterned films by several orders of magnitude.

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Session Classification: Focus Session

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