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Programmable Metasurfaces by Electrically Driven Transparent Micro-Heaters

Tuesday 13 December 2022 12:00 (15 minutes)

We demonstrate for the first time the programmable tuning of dielectric inverse-designed metasurfaces made of silicon by electrically driven transparent micro-heaters. This approach made sub-millisecond switching time and individually tuning metasurfaces possible.

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