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## **Resonant harmonic generation from nonlinear dielectric metasurfaces**

*Thursday, 15 December 2022 12:00 (15 minutes)*

We predict and demonstrate experimentally strong third-harmonic optical signal for broken-symmetry dielectric metasurfaces supporting sharp optical resonances in the near-IR. For chiral asymmetric dielectric metasurfaces we demonstrate experimentally large nonlinear chiroptical response in transmission.

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