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Simulating Amorphous Silicon Pillars on a Silica Substrate¹ KATIE BARAJAS, GIOVANNI SARTORELLO, Cornell University — A metasurface composed of amorphous silicon pillars shows promise for use in biophysical experiments. The focus of this study is to simulate a subunit of an amorphous silicon metasurface under various environmental conditions. Transmittance and field enhancement are simulated in water and air to corroborate experimental results.

¹Simulating Amorphous Silicon Pillars on a Silica Substrate

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