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Angle dependent defect modes in a photonic crystal filter doped by high and low temperature superconductor defects

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<https://doi.org/10.1063/1.5032766> PDF |  E-READERSreejith K. P.¹ and Vincent Mathew^{1,a)}

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ABSTRACT

We have theoretically investigated the incident angle dependent defect modes in a dual channel photonic crystal filter composed of a high and low temperature superconductor defects. It is observed that the defect mode wavelength can be significantly tuned by incident angle for both polarizations. The angle sensitive defect mode property is of particular application in designing narrow band transmission filter.

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