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Two-dimensional photonic crystal heterostructure with Omnidirectional band gap[1] RAUL ARCHULETA-GARCIA, DAMIAN MOCTEZUMA-ENRIQUEZ, JESUS MANZANARES-MARTINEZ, Universidad de Sonora — We present the numerical determination of Giant Omnidirectional (3D) photonic band gaps calculated for a two dimensional heterostructure, which are composed by the union two photonic crystals. The Photonic Band Structure is calculated via the implementation of the supercell technique on the the Plane-Wave Method. We have optimized the structure in order to obtain the biggest band gap.

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