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Valley Anisotropy In Elastic Metamaterials Dirac Dispersion In Lattices With C_{3v} Symmetry, The Band Gap In Our Spiral System Is A Result Of Breaking The Symmetry Between The Lattice And The Scatterers, Which Is Guaranteed By The Asymmetric Spiral Structure In Our Design. Because Of The Chiral Structure, We Use Six Symbols From K₁ To K₆ To Present The Corners Of The Brillouin Zone. 1th, 2024 Broadband Terahertz Generation From Metamaterials The Terahertz Spectral Regime, Ranging From About 0.1–15 THz, Is One Of The Least Explored Yet Most Technologically Transformative Spectral Regions. One Current Challenge Is To Develop Efficient And Compact Terahertz Emitters/detectors With A Broadband And Gapless Spectrum That Can Be Tailored For Various Pump Photon Energies. 7th, 2024 Study Of Cu/SiO₂/Cu Metamaterials: Design, Simulation ... /Cu Metamaterials: Design, Simulation, Fabrication, Testing, And Optical Applications Thesis Advisors: Dr. Richard Liptak And Dr. Sergio Granieri (co-advisor) In The Past Few Years, "metamaterials" Have Grabbed Attention Of Researchers In Both Science And Engineering. 2th, 2024.

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