Photostriction in two dimensional ferroelectrics\textsuperscript{1} RAAD HALEOOT, CHARLES PAILLARD, BIN XU, BOTHINA HAMAD, LAURENT BELLAICHE, SALVADOR BARRAZA-LOPEZ, Univ of Arkansas-Fayetteville — Within density-functional theory, we study light-induced structural deformations in two dimensional ferroelectrics due to their non-centrosymmetric nature. This effect, known as photostriction, was recently studied in bulk ferroelectrics [1]. [1] C. Paillard et al. Physical Review Letters. 116(24):247401, 2016.

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