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AlAs/germanene heterostructure with tunable electronic and optical properties *via* external electric field and strain

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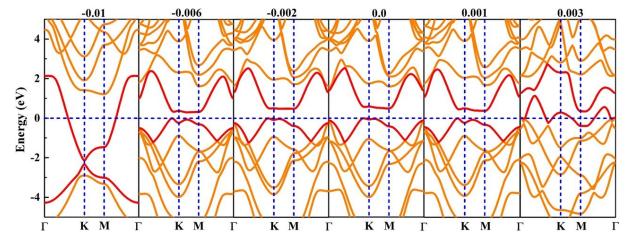


Figure SI. Variation of the band structures of the AAI-stacked heterostructure with the change of applied E-field.

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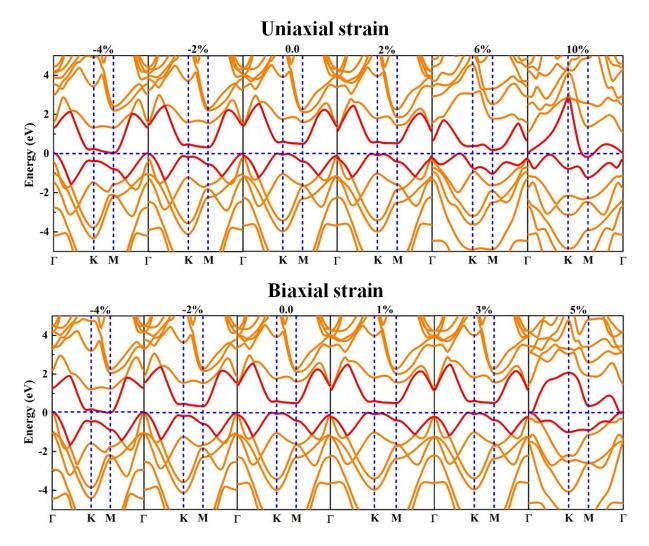


Figure SII. Variation of the band structures of the AAI-stacked heterostructure with the change of mechanical strain.