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FIG. 1. (Color online) For unstrained Janus monolayer $MnSbBiTe_4$, the local density of states vs momentum and energy at the edge.



FIG. 2. (Color online) The normalized magnetic moment and susceptibility of Janus monolayer $MnSbBiTe_4$ as a function of temperature at 0.96 (Left) and 1.04 (Right) strains.



FIG. 3. (Color online)For Janus monolayer MnSbBiTe₄, the elastic constants (C_{11} and C_{12}) with the application of biaxial strain (0.96 to 1.04).



FIG. 4. (Color online) For Janus monolayer MnSbBiTe₄, the electronic contribution of piezoelectric stress coefficients (e_{11} and e_{31}) with the application of biaxial strain (0.96 to 1.04).



FIG. 5. (Color online) For Janus monolayer MnSbBiTe₄, the ionic contribution of piezoelectric stress coefficients (e_{11} and e_{31}) with the application of biaxial strain (0.96 to 1.04).