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Scalar-Vector Multifield Anisotropic Dark Energy

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We present partial results from a model constructed using conventional components found in string compactification as well as in general supersymmetric theories. The model entails a pair of scalar fields coupled through non-trivial kinetic mixing and incorporates a $U(1)$ vector field with a field dependent gauge kinetic function. The system unveils a novel fixed point within a Bianchi I spacetime background, exhibiting characteristics that could potentially describe a late accelerated epoch in the universe. Additionally, we expound on potential ultraviolet (UV) completions that give rise to such a model.

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