

*K*₁₃ form factor with two flavors of dynamical domain-wall quarks

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Abstract: We report on our calculation of $K \rightarrow \pi$ vector form factor in two-flavor QCD using domain-wall quarks and DBW2 glue. Simulations are carried out on a $16^3 \times 32 \times 12$ lattice at $a \simeq 0.12$ fm with sea quark masses corresponding to $m_{\text{PS}}/m_{\text{V}} \geq 0.53$. We present preliminary results at our lightest sea quark mass and discuss sea quark effects on the form factor.