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## The $I=1/2$ and $3/2$ K-pi scattering length with domain wall fermions at physical pion mass with all-to-all propagators

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We present our calculations for the  $I=1/2,3/2$  K-pi scattering length, extracted from the interaction energy of Euclidean two-point functions. We use the domain wall fermion action with physical quark masses at a single lattice spacing. We are specifically interested in the systematic effects due to around-the-world terms on the overall determination of the scattering length. We present our progress and discuss the various systematic effects in our preliminary results.

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