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Gradient flow running coupling in SU(2) with 6 flavors

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We present preliminary results of the gradient flow running coupling in SU(2) gauge theory with 6 massless fundamental representation fermion flavours. We use the Schrödinger functional boundary conditions, which allows us to also measure the mass anomalous dimension. Our results, using the HEX-smearred Wilson-clover action, are consistent with perturbative running on the weak coupling region and diverge towards a possible infrared fixed point at strong coupling.

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