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Where is the mass in Q(E-C)D?

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We present a comprehensive numerical study of dynamical mass generation for unquenched QED in four dimensions using the Schwinger-Dyson approach. We begin with an overview of previous critical studies performed in the quenched approximation, for which we add analysis using a new vertex, the Kizilersu-Pennington (KP) vertex, developed for unquenched studies. In these unquenched critical studies, we will present the fermion and boson propagators in the non-perturbative region and the measure the performance of the KP vertex. The dynamically generated fermion masses using a renormalized unquenched system of equations is compared for two hybrid model vertices.

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