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Hadronic Form Factors From Schwinger-Dyson Equations

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Abstract: Experimental efforts like the ones in Jefferson Laboratory, Babar Experiment and Belle Experiment have contributed importantly in the last few years towards our improved understanding of the mesonic form factors. The 12 GeV upgrade of the Jefferson Laboratory holds further promise to chart out mesoninc as well as baryonic form factors in a wide range of probing momenta, hopefully providing glimpses of a transition from the non perturbative regime of QCD to
its perturbative domain. Starting from QCD's fundamental degrees of freedom, namely quarks and gluons and map out their imprint on the hadronic form factors is a challenging task. In continuum, I argue that Schwinger-Dyson equations hold the promise to successfully undertake this challenge.

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