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Gravitational form factors of a quark in a dressed quark model.

We calculate the gravitational form factors (GFFs) and mechanical properties of a quark for a dressed quark state. We obtain all the form factors in terms of overlap of the light front wavefunctions (LFWFs). We compare the D-term obtained in our model with the dressed electron state at one loop in the QED result obtained by Metz et al., by setting the
model parameters to the QED domain.

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