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The D-Term: Pressure To Find The Last Item On The Checklist

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State University — The D-term is an interesting property of matter that has re-
ceived a comparatively small amount of research dedicated to it compared to other
global properties such as mass and spin. We discuss its potential connection to pres-
sure and shear force distributions inside the nucleon, and provide possible means of
extracting this form factor both theoretically and experimentally. We also provide
a model calculation of both the A-term and D-term in ϕ^3 theory, which required
the modification of the energy-momentum tensor from its canonical definition to a
renormalized "Improved" energy-momentum tensor.

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