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## **Renormalization constants of the lattice energy momentum tensor using the gradient flow**

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We present an update about our program for the non perturbative renormalization of the energy momentum tensor. Our strategy consists in probing suitable lattice Ward identities with observables computed along the gradient flow. This set of identities exhibits many interesting qualities, arising from the UV finiteness of flowed composite operators, and can be used to measure the renormalization constants of the energy momentum tensor. We show how this method is applied in a SU(3) Yang-Mills theory on the lattice, and report our numerical results.

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