Four-loop NSPT result for a 3d condensate-contribution to hot QCD pressure

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Thanks to dimensional reduction, the contributions to the hot QCD pressure coming from so-called soft modes can be studied via an effective three-dimensional theory named Electrostatic QCD (Yang-Mills plus adjoint Higgs). The poor convergence of the perturbative series suggests to perform lattice measurements of some of the associated gluon condensates. These turn out, however, to be plagued by large discretization artifacts. We exploit Numerical Stochastic Perturbation Theory to determine the full lattice spacing dependence of one of these condensates up to 4-loop order.