SU(2) meets SU(3) in lattice-Landau-gauge gluon and ghost propagators

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A comparative study of the lattice Landau gauge gluon and ghost propagators for SU(2) and SU(3) pure Yang-Mills theories is carried out. The data were specially produced with equivalent lattice parameters to allow for a careful comparison of the two cases. We find very good agreement between the two theories. Our results seem to confirm the prediction of Schwinger-Dyson equations that the infrared exponents are independent of the gauge group SU(N).