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Gluon propagators near the phase transition in SU(2) gluodynamics

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We study Landau gauge transverse and longitudinal gluon propagators at non-zero temperature in close vicinity of the phase transition in SU(2) gluodynamics. We compute the screening mass and the electric-magnetic asymmetry of the A^{*2} condensate. Our goal is to provide results free of finite volume and Gribov copies systematic effects and with small scaling violations.

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