

RUNNING COUPLING IN THE $SU(2)$
LATTICE GAUGE THEORY

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Scenario according to which the $SU(2)$ -gluodynamics is a theory with a nontrivial fixed point is analyzed from the point of view of the modern Monte-Carlo (MC) lattice data. It is found that an assumption of the first-order fixed point $g = g_f$ of the beta function $\beta_f(g)$ has no contradictions with existing MC lattice data. The beta function parameters are found from the requirement of constant values for the critical temperature $T_c/\Lambda_L^{\text{FP}}$ and string tension $\sqrt{\sigma}/\Lambda_L^{\text{FP}}$ in MC lattice calculations at $4/g^2 \geq 2.30$.