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Monopole Dominance of Confinement in SU(3) Lattice QCD

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We accurately investigate monopole dominance of quark confinement for both quark-antiquark and three-quark systems in SU(3) quenched lattice QCD in the maximally Abelian gauge at $\beta=5.8$ on $16^3 \times 32$ with 2000 gauge configurations. We find monopole dominance of the string tension for quark-antiquark and three-quark systems.

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