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The semi-phenomenological effective Hamiltonian of QCD on the light front

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A semiphenomenological variant of the construction of the QCD Hamiltonian on the light front in the light front gauge is considered. This Hamiltonian is intended to describe the hadronic states constructed from "effective" quarks and gluons on the light front. Such Hamiltonian provides confinement for the quark-antiquark state both in the transverse direction and in the longitudinal (light-like) direction.

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