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Saturation and coherence effects in the modified KGBJS equation

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We solve the modified non-linear extension of the CCFM equation –KGBJS equation –numerically for certain initial conditions and compare the resulting gluon Green functions with those obtained from solving the original CCFM equation and the BFKL and BK equations for the same initial conditions. We improve the low transversal momentum behaviour of the KGBJS equation by a small modification.

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