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## Analytic and Semi-Analytic Solutions for Color Glass Condensate in the Weak-Field Limit

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The McLerran-Venugopalan Model (MV) of Color Glass Condensate for two colliding nuclei has been solved in the past using numerical methods and recursive analytic solution. On the other hand, in the weak field limit explicit analytic solutions in transverse momentum space have, in principle, been known for quite some time. Based on the latter we derive analytic expressions for gluon 2-point correlation functions  $\langle F^{\mu\nu}(x^\alpha) F^{\kappa\lambda}(y^\beta) \rangle$  in nuclear collisions in the MV-model in the weak-field limit. In simple cases these expressions lead to solutions in closed analytic forms valid at all times. Our results allow for a straight forward evaluation of the time dependence of the energy momentum tensor, the angular momentum density and the momentum broadening coefficient  $\hat{q}$  of the gluon fields in nuclear collisions in this limit.

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