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Angular Momentum Carried By Early Time Gluon Fields

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We compute the angular momentum and flow carried by the system of classical gluon fields of colliding color charges, in an attempt to study the initial angular momentum and vorticity in high energy nuclear collisions. We discuss how to match our results to viscous fluid dynamics in order to conserve angular momentum. We show results for the subsequent evolution of the fluid system. Partly based on arXiv:1705.10779.

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