# Ghost and Gluon Propagators at Finite Temperatures within a Rainbow Truncation of Dyson-Schwinger Equations

_L.P. Kaptari[1], O.P. Solovtsova[2]_

[1]_Joint Institute for Nuclear Research, Dubna, Russia_
[2]_Sukhoi State Technical University of Gomel, Gomel, Belarus_

The truncated Dyson-Schwinger and Bethe-Salpeter equations in Euclidean complex momentum domain are analysed within the ladder rainbow truncation. The approach is generalized to finite temperatures. Some critical phenomena in hot matter, such as behaviour of ghost and gluon propagators at high temperatures, relevant to possible signals of Quark Gluon Plasma, are considered.