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## Thermodynamics of strongly interacting plasma with high accuracy

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The thermodynamic properties of the  $SU(3)$  Yang-Mills theory are investigated from the confining phase up to  $250 T_c$ . Results for the temperature dependence of the entropy density, energy density and pressure are presented with an accuracy of about 0.5%. The framework of shifted boundary conditions is considered where the entropy density is related to the expectation value of the off-diagonal components of the energy-momentum tensor. The pressure and the energy density are then obtained by numerical integration. A comparison with data collected by other groups is discussed.

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