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Thermalisation properties of various field theories

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Motivated by the hadronization properties of heavy-ion and p-p collisions, we study the thermalisation properties of field theories.

First of all, we present our recent observations regarding the local energy-density and momentum distributions in the classical Φ^4 theory.

As this theory exhibits interesting features regarding these questions, we continue the research by the MC simulation of the SU(3) Yang-Mills theory and we intend to investigate further in more complicated theories.

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