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The CompOSE data base for equations of state

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In simulations of compact stars, binary mergers and core-collapse supernovae an equation of state (EoS) is needed to close the system of combined Einstein and hydrodynamics equations. I will discuss requirements for such an equation of state. Then I will present the data base Compose, part of the PHAROS project, which contains EoS and related data ready for use in simulations. I will show some examples of results obtained with publicly available data and the computational tools from CompOSE.

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