Carbon footprint of numerical simulations

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There is a good agreement in the astrophysical community to reduce the environmental footprint of our research. Indeed recent publications indicate that astrophysical research has a strong carbon footprint [1,2,3], and there is a cross-disciplinary will in academia to lead transformative change collectively [4,5]. Numerical simulations can have a important carbon footprint, and many researchers using large scale numerical facilities or collective structures would like to estimate their carbon footprint due to their research activities in order to identify paths towards low carbon research.

I will present the methods and results of carbon footprint estimations of numerical simulation, data storage and accessibility.

Références

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