The Phantom SPH code 😹 MONASH University 📘

Daniel Price1, James Wurster1,2, Chris Nixon3, Terrence Tricco1,4, Stéven Toupin5, Conrad Chan1, Rebecca Nealon1, Guillaume Laibe6, Alex Pettitt27, Clare Dobbs2, Simon Glover8 Hauke Worpel^{1,9}, Clément Bonnerot¹⁰, David Liptai¹, Giovanni Dipierro¹¹, Enrico Ragusa¹¹, Duncan Forgan⁶, Roberto Iaconi¹², Thomas Reichardt¹² and Giuseppe Lodato¹¹ Monash Centre for Astrophysics, School of Physics and Astronomy, Monash University, Australia; School of Physics, University of textee EX4 40.L, UK; ³⁰Department of Physics and Astronomy, University of Leicester, Leice



Hydrodynamics — Accretion discs — Sink particles — Self-gravity Magnetohydrodynamics (MHD) — Two fluid dust-gas — One fluid dust-gas Non-ideal MHD — H₂ and CO interstellar medium chemistry — Wind injection