Fast and efficient data analysis of extensive hydro simulations with the Julia language

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I'm developing a fast and efficient post-processing tool for the next generation of large-scale hydro simulations. Currently, it works with RAMSES but can be easily extended to other grid and N-body codes.

Key goals are:
- performance of statically-typed languages like Fortran or C/C++
- efficient use of the memory
- simple syntax like in high-level languages (e.g. Python, Matlab)
- many functionionalities, customizable to the user's problem
- avoid overdoing high-level abstraction (black boxes)
- interactivity
- easy to extend
- easy to install and update
- reproducibility
- runs on multiple platforms

Find the current public version at https://github.com/ManuelBehrendt/Mera.jl