{{lastupdated_at}} by {{lastupdated_by}}

GObservation

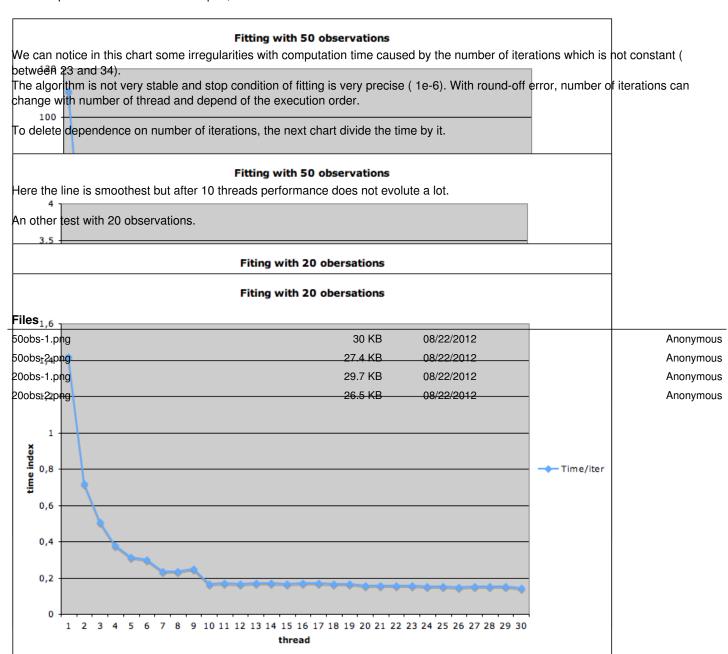
Parallelization

See [[OpenMP]] page for configuration of parallelization options.

In the GObersation class, OpenMP is used to parallelize the eval method in the optimizer part (GObersation::optimizer::eval). Loop iterations are split and dealt to the differents threads. Each thread has their own variable to avoid conflict with shared variable (as m_value, m_npred or m_gradient), this working variables are store temporarily in vectors which are loop over at the end of iterations to update shared variables.

Performance

In this first test, fitting was executed on real data with 50 observations. The computer used for this test is Kepler, a server with 48 cores.



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