

General-purpose Software for Systems Biology

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We summarize research and general-purpose software packages that have applications to multiscale modeling in systems biology [5]. They include sparse-matrix factorizations for rank and nullspace computations [2, 3], an optimization method for composite smooth and nonsmooth functions [7], and constrained optimization routines for linear and nonlinear flux balance analysis (FBA) using double- and quadruple-precision arithmetic [1, 6, 8] and [4, 9].

References

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