

Optional arguments:

`itmax` Maximum number of iterations (default: 1000);

`iter` Actual number of iterations on output;

`err` Error estimate on output;

`istop` Stopping criterion:

1 Normwise backward error in the infinity norm (default):  $\frac{\|r\|}{\|A\|\|x\|+\|b\|} < \epsilon$

2 2-Norm relative residual  $\frac{\|r\|}{\|b\|} < \epsilon$

`itrace` Print the current value of the error estimator every  $itrace > 0$  iterations; default -1 (i.e. no message).

`irst` Restart parameter for RGMRES (default: 10) and BiCGSTAB(L) (default: 1).