

Optimization+platform dependent options for compilation and execution times for my_dgesv				
	icc (18.0.5)	s	gcc (8.3.0)	s
dgesv_icc No opt.	Options: -O0 dgesv_icc		Options: -O0 dgesv_gcc	
	Exec time (small): 2048	27,76178067	Exec time (small):	18,53197733
	Exec time (medium): 4096	281,7520933	Exec time (medium):	194,9221483
dgesv_O1 Opt level 1	Exec time (large): 6144		Exec time (large):	831,8588237
	Options: -O1 -mkl -o		Options: -O1 -lm -o dgesvgcc_O1 dgesv_gcc.c	
	Exec time (small):	28,80360233	Exec time (small):	19,598586
dgesv_02fvta Opt level 2 + <u>specific arch</u>	Exec time (medium):	296,3486877	Exec time (medium):	207,0819427
	Exec time (large):	1145,316106	Exec time (large):	858,7800587
	Options: -O2 -fvar-tracking-assignments -mkl -o		Options: gcc -O2 -fvar-tracking-assignments -lm -o dgesvgcc_O2	
dgesvO3fvarta Opt level 3 + <u>specific arch</u>	Exec time (small):	28,80360233	Exec time (small):	19,64040167
	Exec time (medium):	296,3486877	Exec time (medium):	205,7754987
	Exec time (large):	1145,316106	Exec time (large):	848,9206603
dgesvOfastfvta Opt level fast + <u>specific arch</u>	Options: -O3 -fvar-tracking-assignments -mkl -o		Options: gcc -O3 -fvar-tracking-assignments -lm -o dgesvgcc_O3	
	Exec time (small):	28,338407	Exec time (small):	20,00662833
	Exec time (medium):	283,5991257	Exec time (medium):	202,6158987
dgesvOipfastfvta Opt level fast + specific arch + <u>interproc opt/anal</u> [-ip (icc) / -fipa-pta (gcc)]	Exec time (large):	1119,950644	Exec time (large):	857,561703
	Options: -Ofast -fvar-tracking-assignments -mkl -o		Options: gcc -Ofast -fvar-tracking-assignments -lm -o dgesvgcc_Of	
	Exec time (small):	26,80581567	Exec time (small):	19,69903367
dgesvOipfastfvta Opt level fast + specific arch + <u>interproc opt/anal</u> [-ip (icc) / -fipa-pta (gcc)]	Exec time (medium):	285,939378	Exec time (medium):	203,7829357
	Exec time (large):	1120,535811	Exec time (large):	851,9475183
	Options: -Ofast -ipo -ip -fvar-tracking-assignments -mkl -o		Options: gcc -Ofast -fipa-pta -fvar-tracking-assignments -lm -o dgesvgcc_Ofipa	
dgesvOipfastfvta Opt level fast + specific arch + <u>interproc opt/anal</u> [-ip (icc) / -fipa-pta (gcc)]	Exec time (small):	27,78025467	Exec time (small):	19,8438
	Exec time (medium):	280,6614327	Exec time (medium):	204,9033637
	Exec time (large):	1117,029717	Exec time (large):	856,6046713

Tamaño de la matriz A para ejecuciones, según to Makefile:

- small size: 2048 x 2048 (execute as ./dgesv 2048)
- medium size: 4096 x 4096 (execute as ./dgesv 4096)
- large size: 6144 x 6144 (execute as ./dgesv 6144)