Github repository with your code (complete URL):

	Optimization+platform dependent options for compilation and execution times for `my_dgesv`	
	icc (18.0.1)	**gcc (8.1.0)**
No opt.	Options: -O0 Exec time (small): Exec time (medium): Exec time (large):	Options: -O0 Exec time (small): 1s 436 Exec time (medium): 44s 260 Exec time (large): 5m45s 763
Opt level 1	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -O1 Exec time (small): 0s 318 Exec time (medium): 10s 382s Exec time (large): 1m20s 382
Opt level 2 + <u>specific arch</u>	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -O2 -march=native Exec time (small): 0s 401 Exec time (medium): 13s 936 Exec time (large): 2min2s055
Opt level 3 + <u>specific arch</u>	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -O3 –march=native Exec time (small): 0s 305 Exec time (medium): 9s998 Exec time (large): 1m 19s 494
Opt level fast + <u>specific arch</u>	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -Ofast –march=native Exec time (small): 0s 267 Exec time (medium): 7s 609 Exec time (large): 1m 5s 163
Opt level fast + specific arch + <u>interproc opt/anal</u> [ipo (icc) / -fipa-pta (gcc)]	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -Ofast –march=native –fipa-pta Exec time (small): 0s 448 Exec time (medium): 15s 742 Exec time (large): 2m5s 643
<u>All</u> previous opts + <u>pgo</u>	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -Ofast –march=native –fipa-pta –fprofile-generate Exec time (small): 0s 445 Exec time (medium): 15s 720 Exec time (large): 2m5s 064
Others: autovectorizing? Autoparallelism?	Options: Exec time (small): Exec time (medium): Exec time (large):	Options: -floop-parallelize-all -flra-remat -flto Exec time (small): 1s 589 Exec time (medium): 49s 163 Exec time (large): 6m18s 916

Matrix A size for executions, according to `Makefile`:

- small size: 50 x 50 (execute as ./dgesv 2048)
- medium size: 100 x 100 (execute as ./dgesv 4096)
- large size: 150 x 150 (execute as ./dgesv 8192)

Execute at least 3 times per combination, taking the middle value (median). The relevant time is the execution time for your implementation of `my_dgesv` (i.e. your solver!).

Description and relevant information extracted from the results: