

Supplementary materials for

Muhammad Asif Zahoor RAJA, Muhammad Saeed ASLAM, Naveed Ishtiaq CHAUDHARY, Wasim Ullah KHAN, 2018. Bio-inspired heuristics hybrid with interior-point method for active noise control systems without identification of secondary path. *Front Inform Technol Electron Eng*, 19(2):246-259.

<https://doi.org/10.1631/FITEE.1601028>

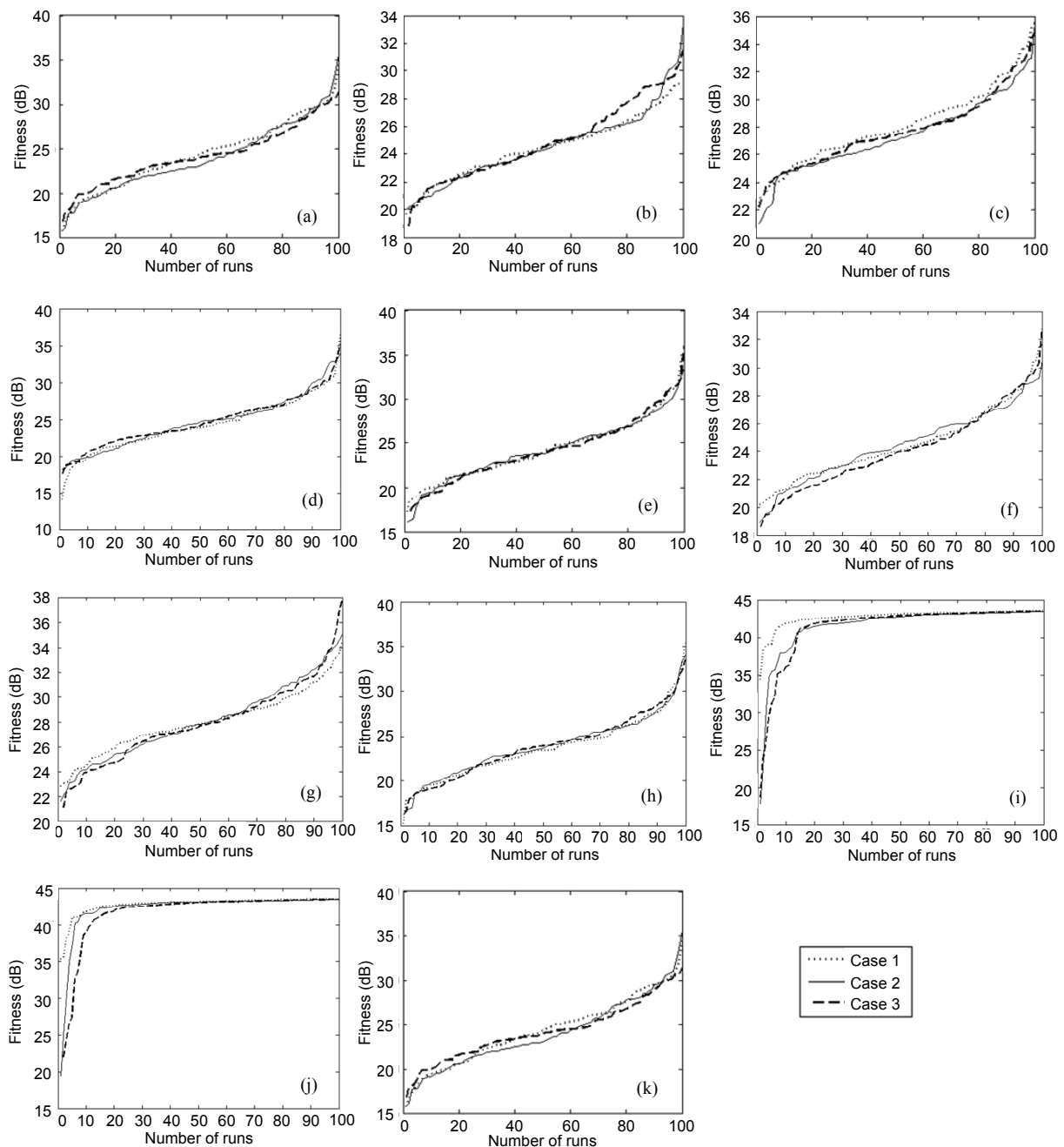


Fig. S1 Results of GA-2-GA-12 ((a)–(k), respectively) for 100 independent runs based on fitness for problem 1

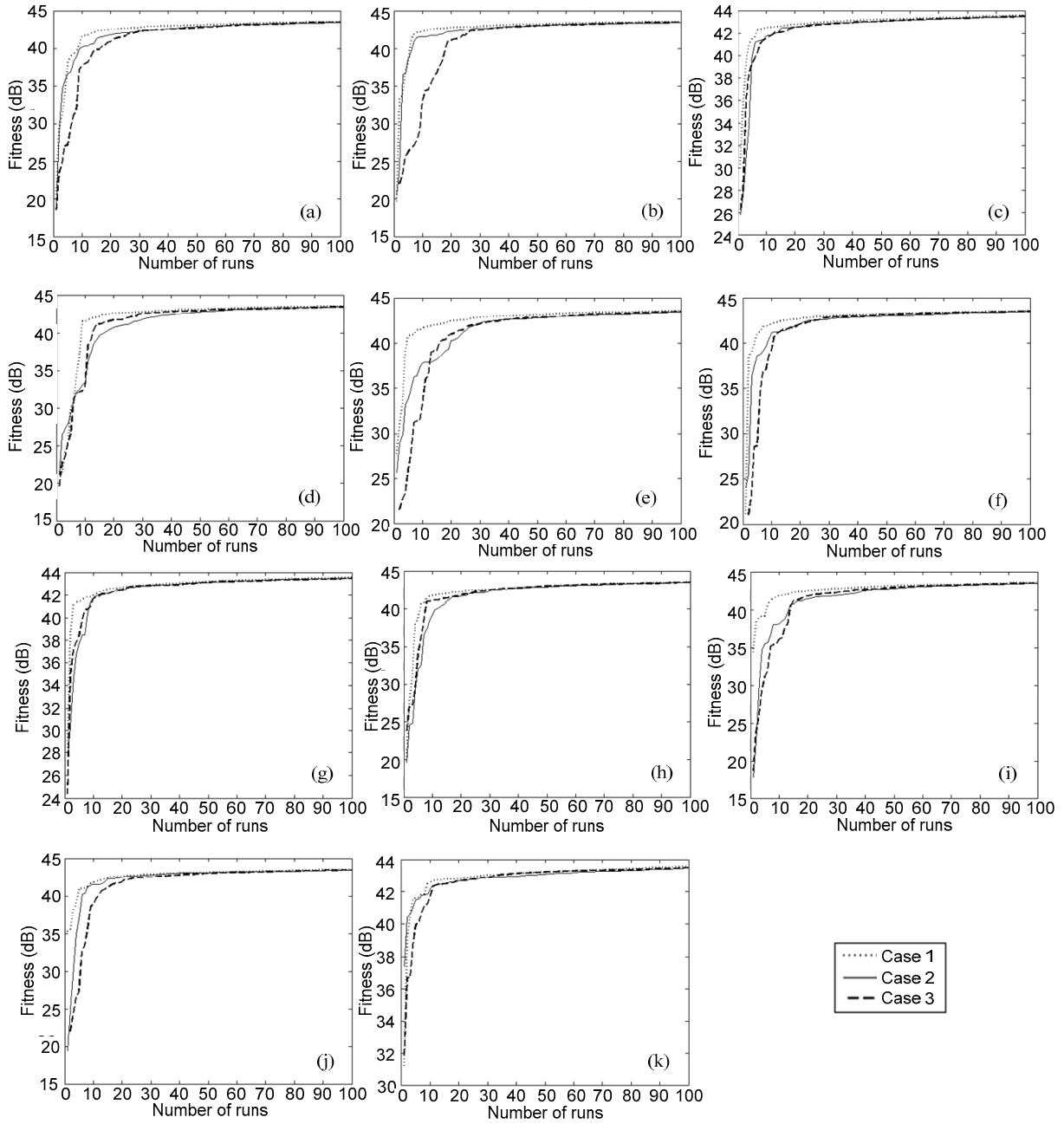


Fig. S2 Values of fitness of GA-IPM-2-GA-IPM-12 ((a)–(k), respectively) for 100 independent runs for problem 1

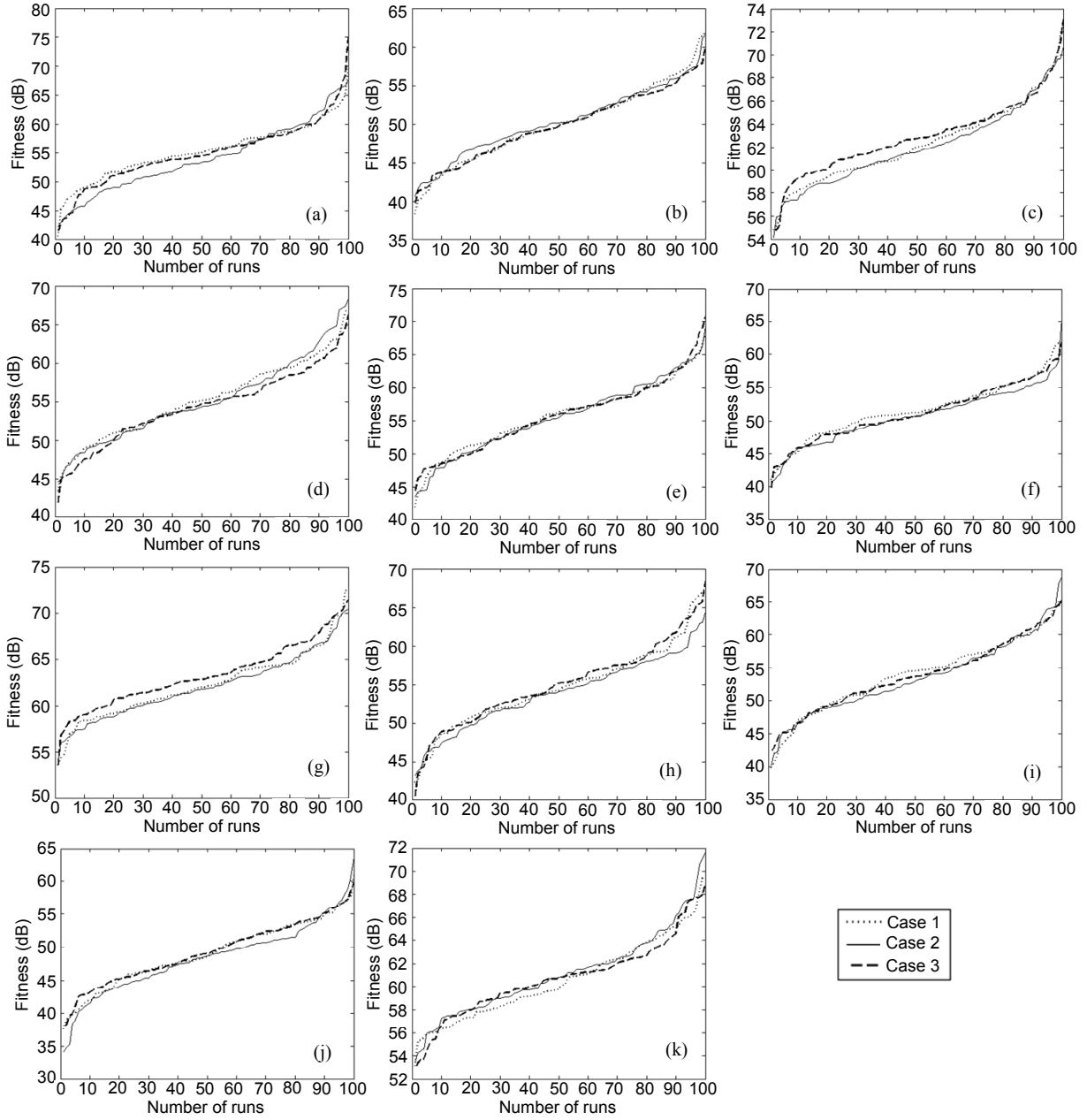


Fig. S3 Results of GA-2–GA-12 ((a)–(k), respectively) for 100 independent runs based on values of fitness for problem 2

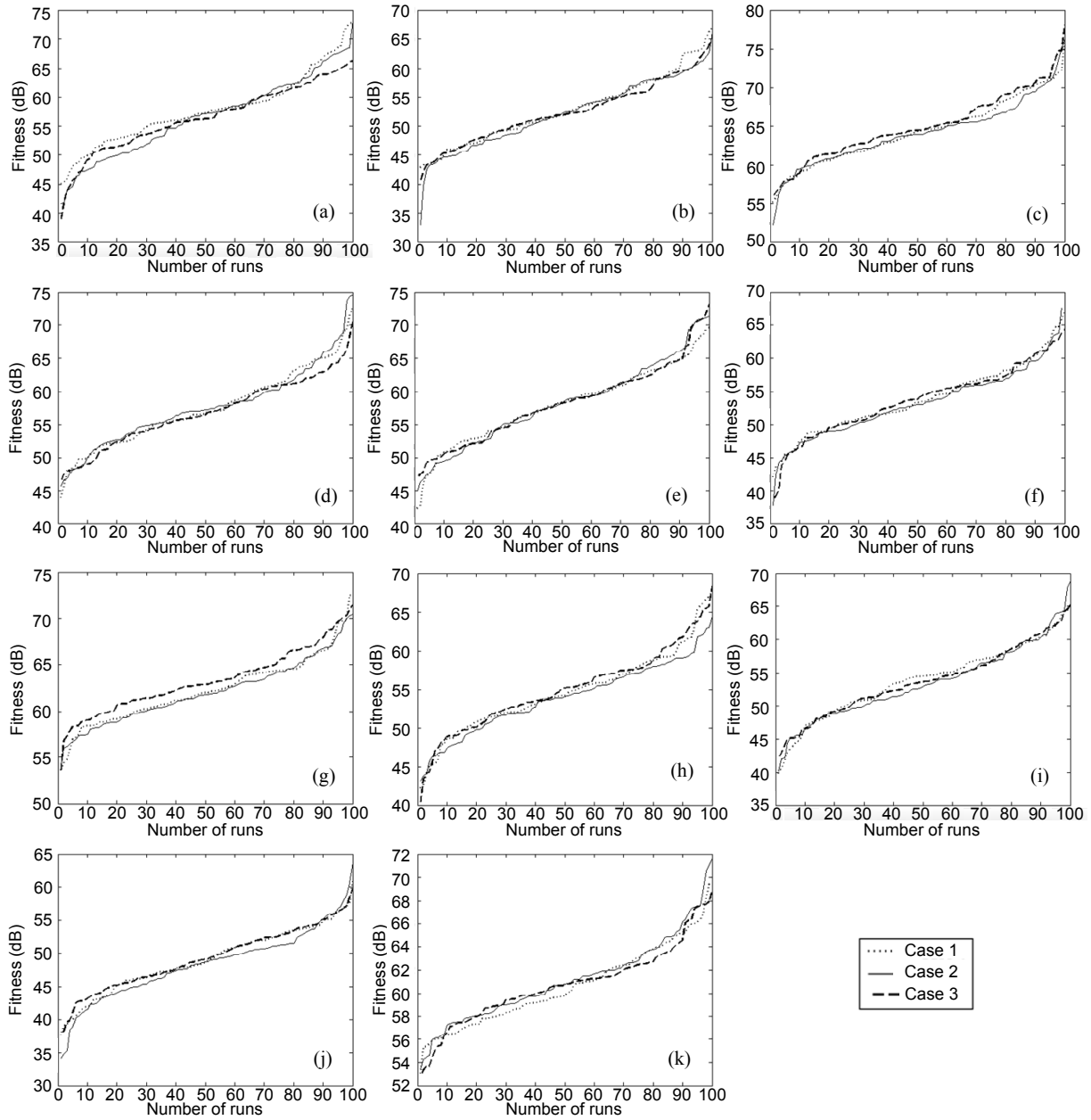


Fig. S4 Values of fitness of GA-IPM-2-GA-IPM-12 ((a)–(k), respectively) for 100 independent runs for problem 2

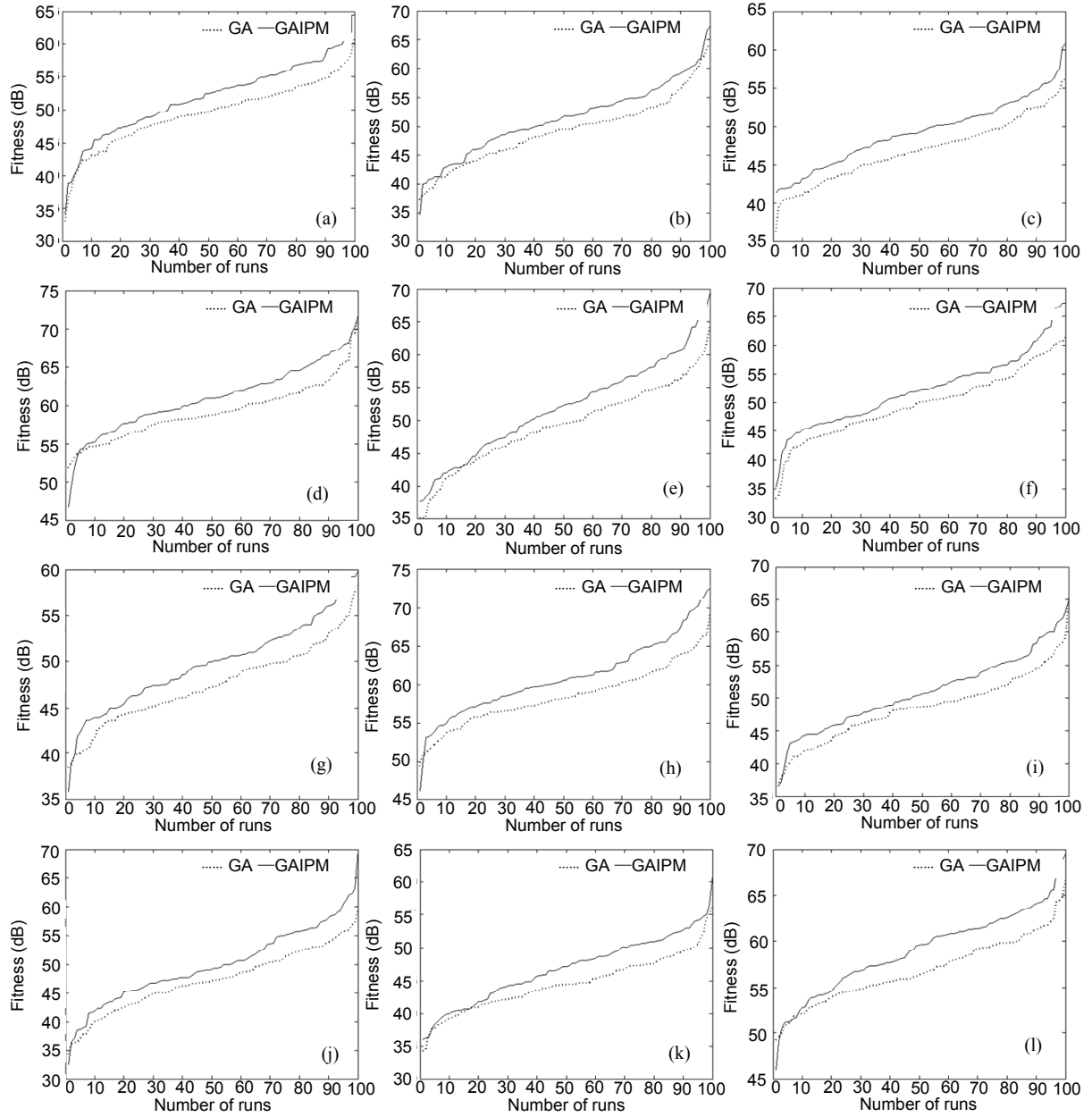


Fig. S5 Values of fitness of GA-1–GA-12 ((a)–(l), respectively) for 100 independent runs for problem 3