## $P_{true} \& PF_{true}$ for MOP Numeric Unconstrained Test Functions (Part I)

The following figures present both  $P_{true}$  and  $PF_{true}$  for each listed function in Tables A.1. Note that these figures were deterministically derived; *Pareto representations may change when computational resolution is increased/decreased.* 



**Fig. B.1.** Binh (1) Pareto Optimal Set

Fig. B.2. Binh (1) Pareto Front



Fig. B.3. Binh (3) Pareto Optimal Set

Fig. B.4. Binh (3) Pareto Front



Fig. B.5. Fonseca Pareto Optimal Set

Fig. B.6. Fonseca Pareto Front





**Fig. B.7.** Fonseca (2) Pareto Optimal Set







Fig. B.9. Kursawe Pareto Optimal Set

 ${\bf Fig. \ B.10. \ Kursawe \ Pareto \ Front}$ 



Fig. B.11. Laumanns Pareto Optimal Set

Fig. B.12. Laumanns Pareto Front



Fig. B.13. Lis Pareto Optimal Set

Fig. B.14. Lis Pareto Front



Fig. B.15. Murata Pareto Optimal Set

Fig. B.16. Murata Pareto Front



Fig. B.17. Poloni Pareto Optimal Set

Fig. B.18. Poloni Pareto Front



**Fig. B.19.** Quagliarella Pareto Optimal Set (for n = 3)

**Fig. B.20.** Quagliarella Pareto Front (for n = 3)



Fig. B.21. Rendon Pareto Optimal Set

Fig. B.22. Rendon Pareto Front



**Fig. B.23.** Rendon (2) Pareto Optimal Set

**Fig. B.24.** Rendon (2) Pareto Front



Fig. B.25. Schaffer Pareto Optimal Set

Fig. B.26. Schaffer Pareto Front



**Fig. B.27.** Schaffer (2) Pareto Optimal Set

Fig. B.28. Schaffer (2) Pareto Front



Fig. B.29. Viennet Pareto Optimal Set



Fig. B.30. Viennet Pareto Front





**Fig. B.31.** Viennet (2) Pareto Optimal Set

Fig. B.32. Viennet (2) Pareto Front



Fig. B.33. Viennet (3) Pareto Optimal Set



Fig. B.34. Viennet (3) Pareto Front