On Dealing with Uncertainties from Kriging Models in Offline Data-driven Evolutionary Multiobjective Optimization (Supplementary Material)

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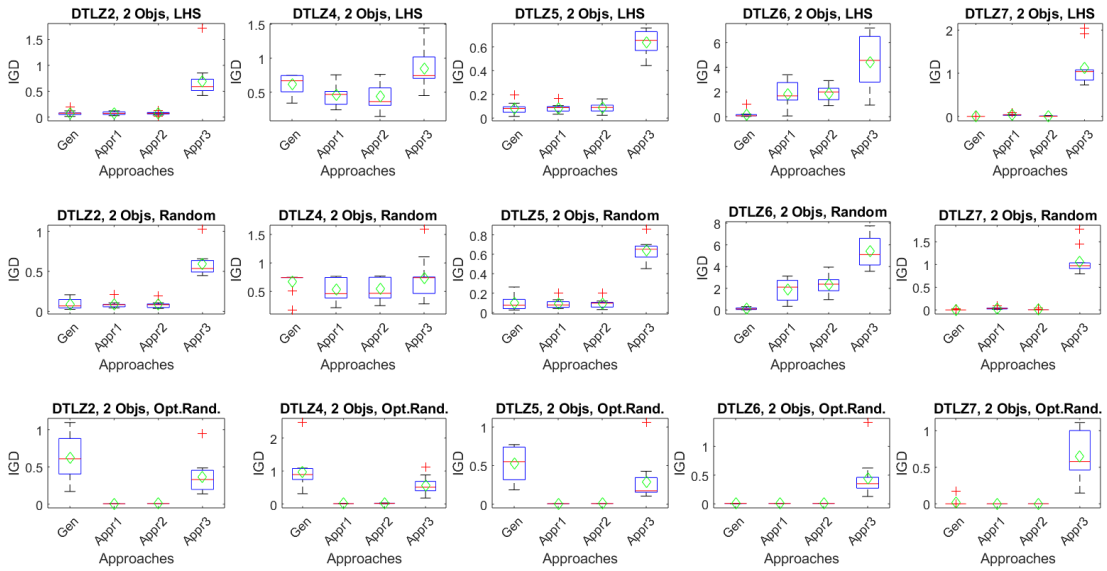
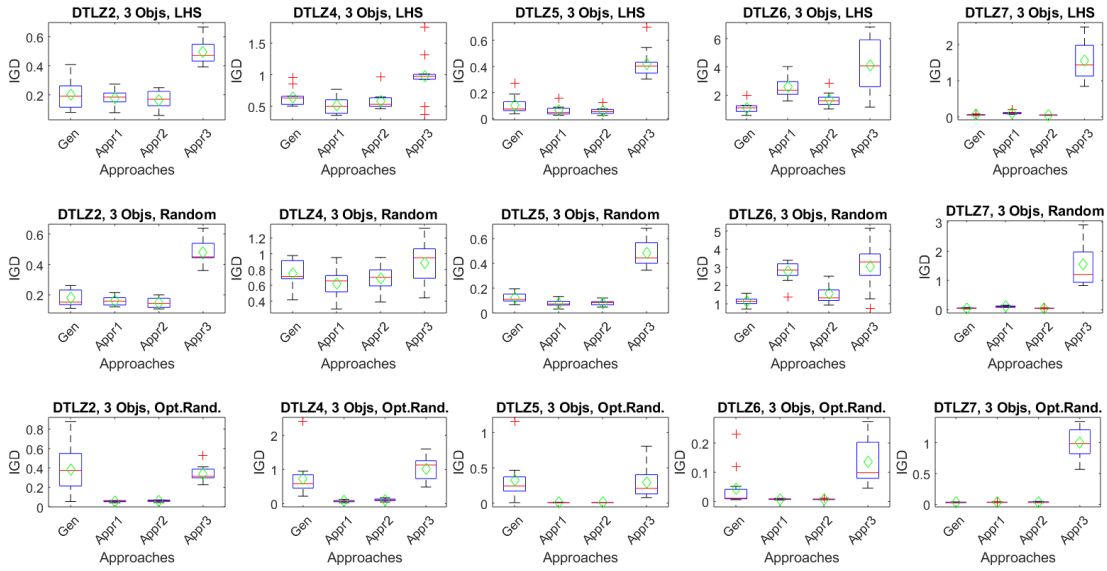


Figure 1: Box plot of IGD for 11 runs for two objective problems. "Gen", "Appr1", "Appr2" and "Appr3" are the Generic, Approach 1, Approach 2 and Approach 3 respectively.(Opt.Rand is optimal-random sampling)



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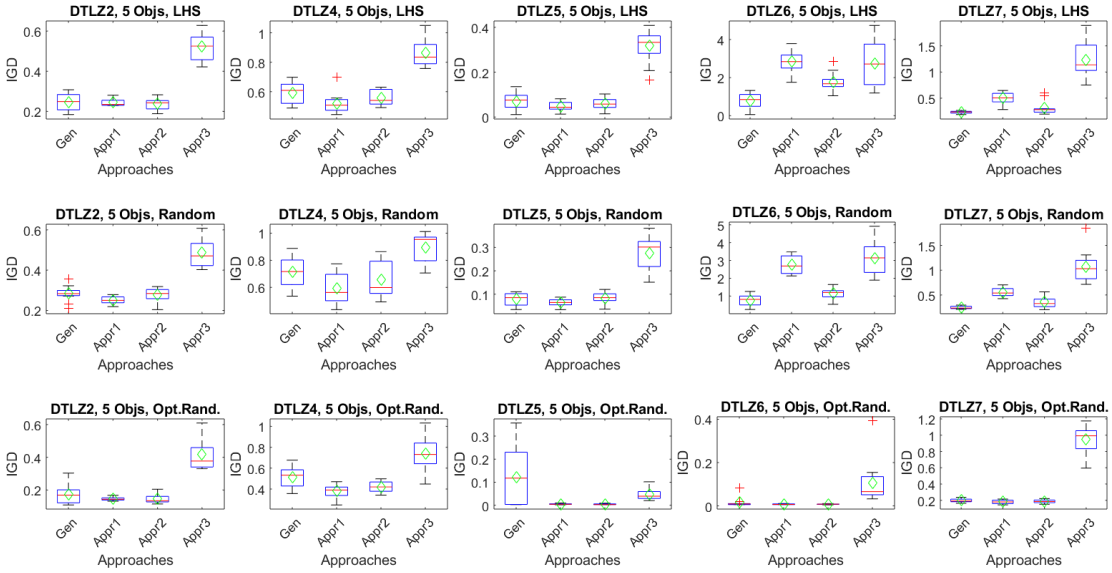

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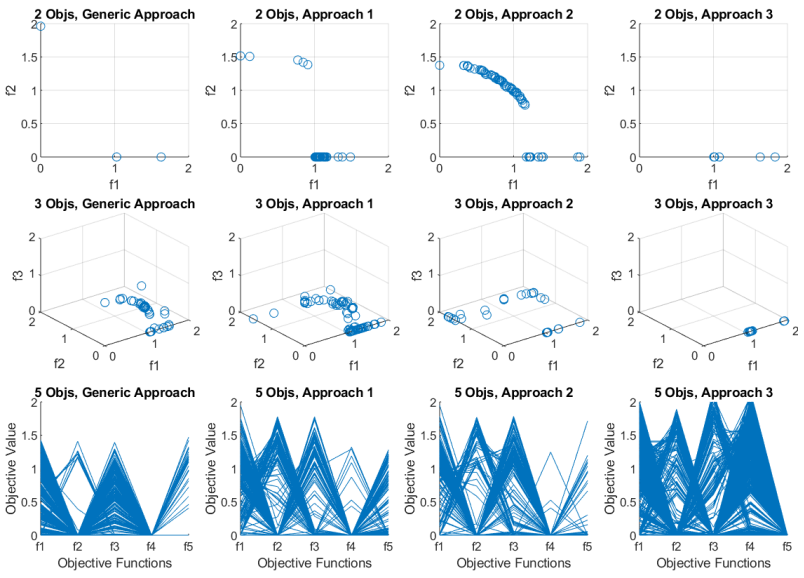


Figure 4: Final solutions obtained of the run with the median IGD value using different approaches for LHS sampling for DTLZ4 Problem.

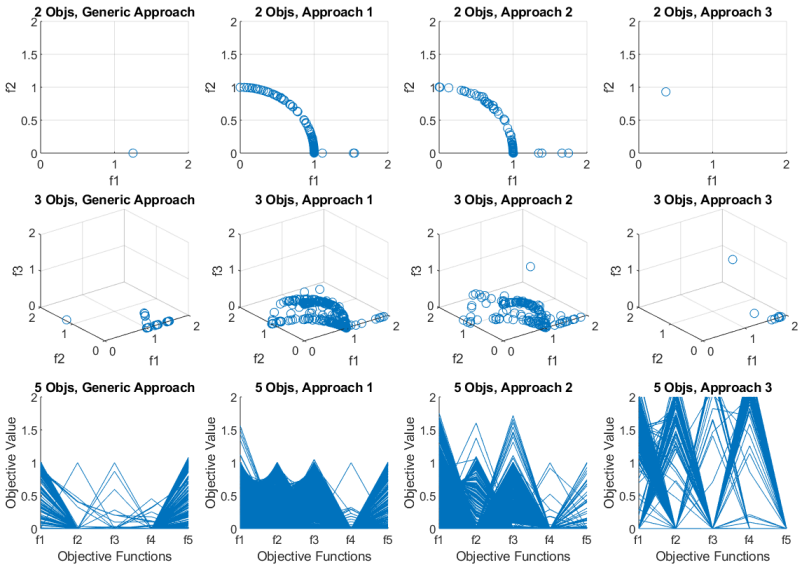


Figure 5: Final solutions obtained of the run with the median IGD value using different approaches for optimal-random sampling for DTLZ4 Problem.

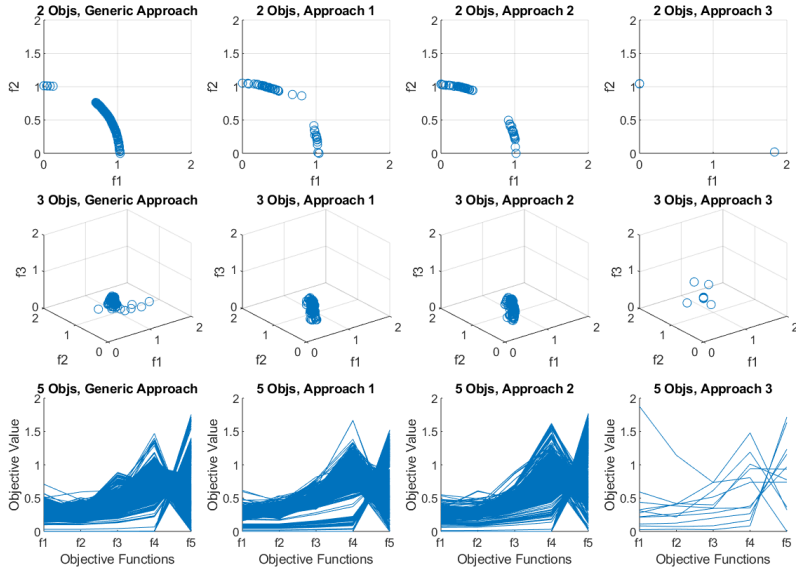


Figure 6: Final solutions obtained of the run with the median IGD value using different approaches for LHS sampling for DTLZ5 Problem.

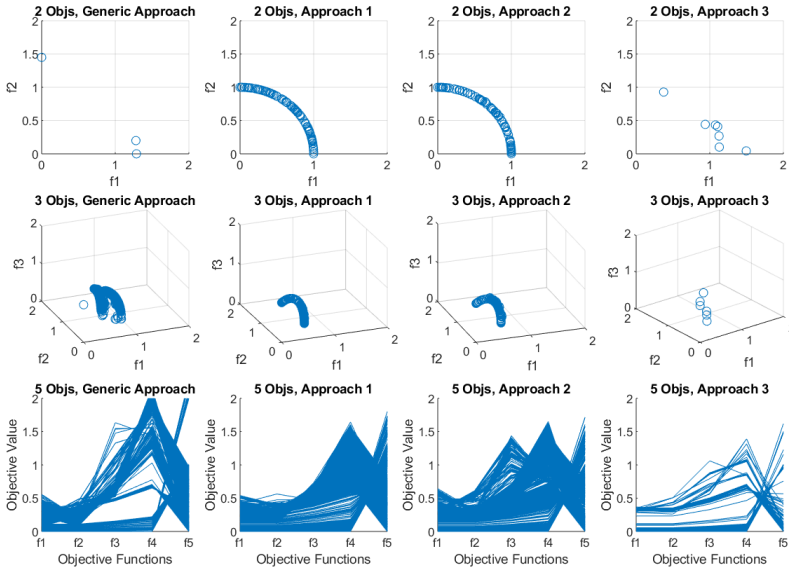
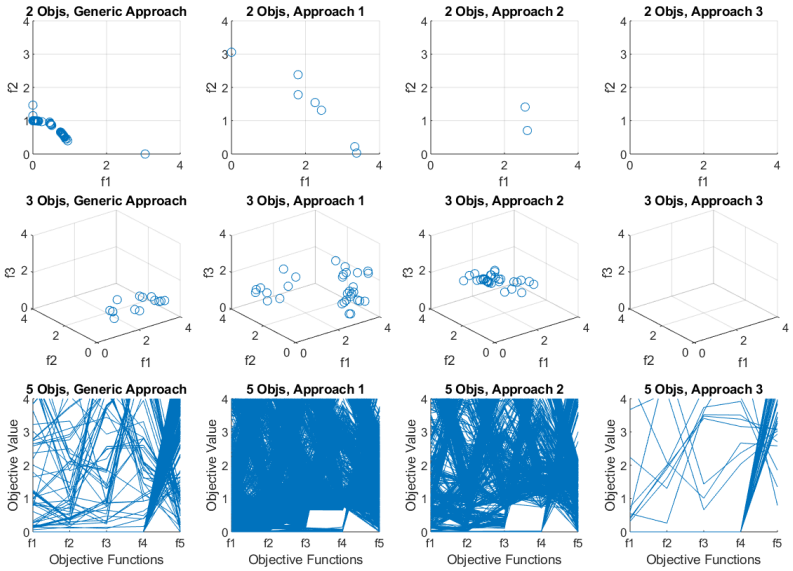


Figure 7: Final solutions obtained of the run with the median IGD value using different approaches for optimal-random sampling for DTLZ5 Problem.



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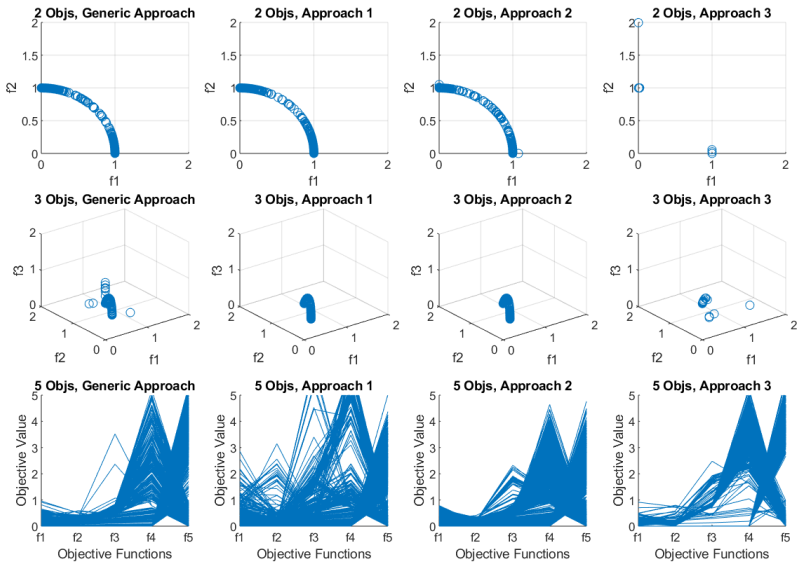


Figure 9: Final solutions obtained of the run with the median IGD value using different approaches for optimal-random sampling for DTLZ6 Problem.

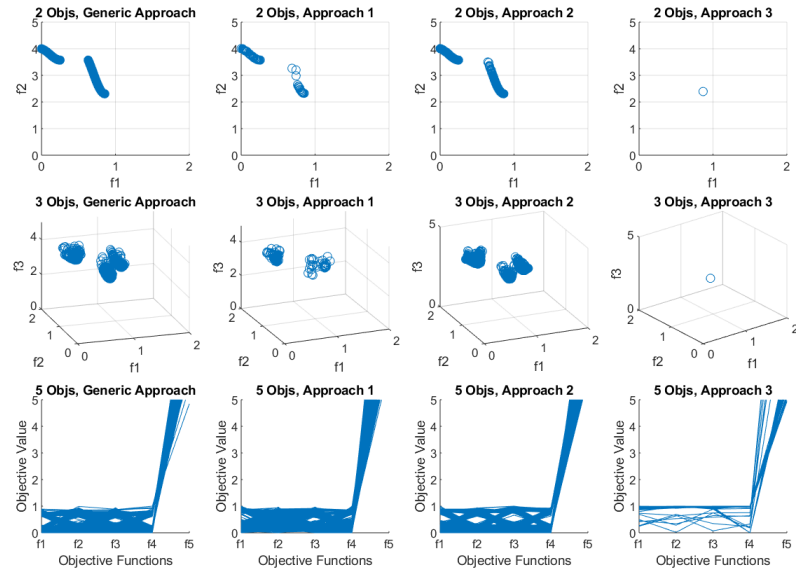
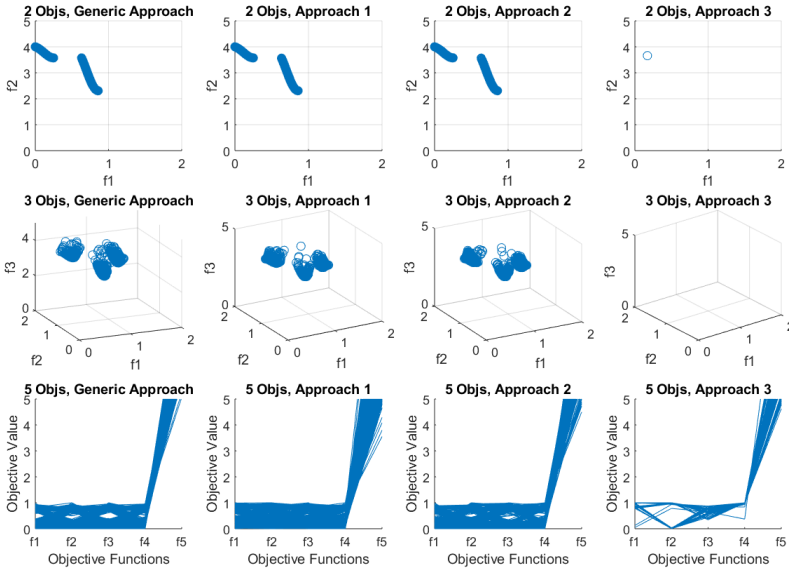


Figure 10: Final solutions obtained of the run with the median IGD value using different approaches for LHS sampling for DTLZ7 Problem.



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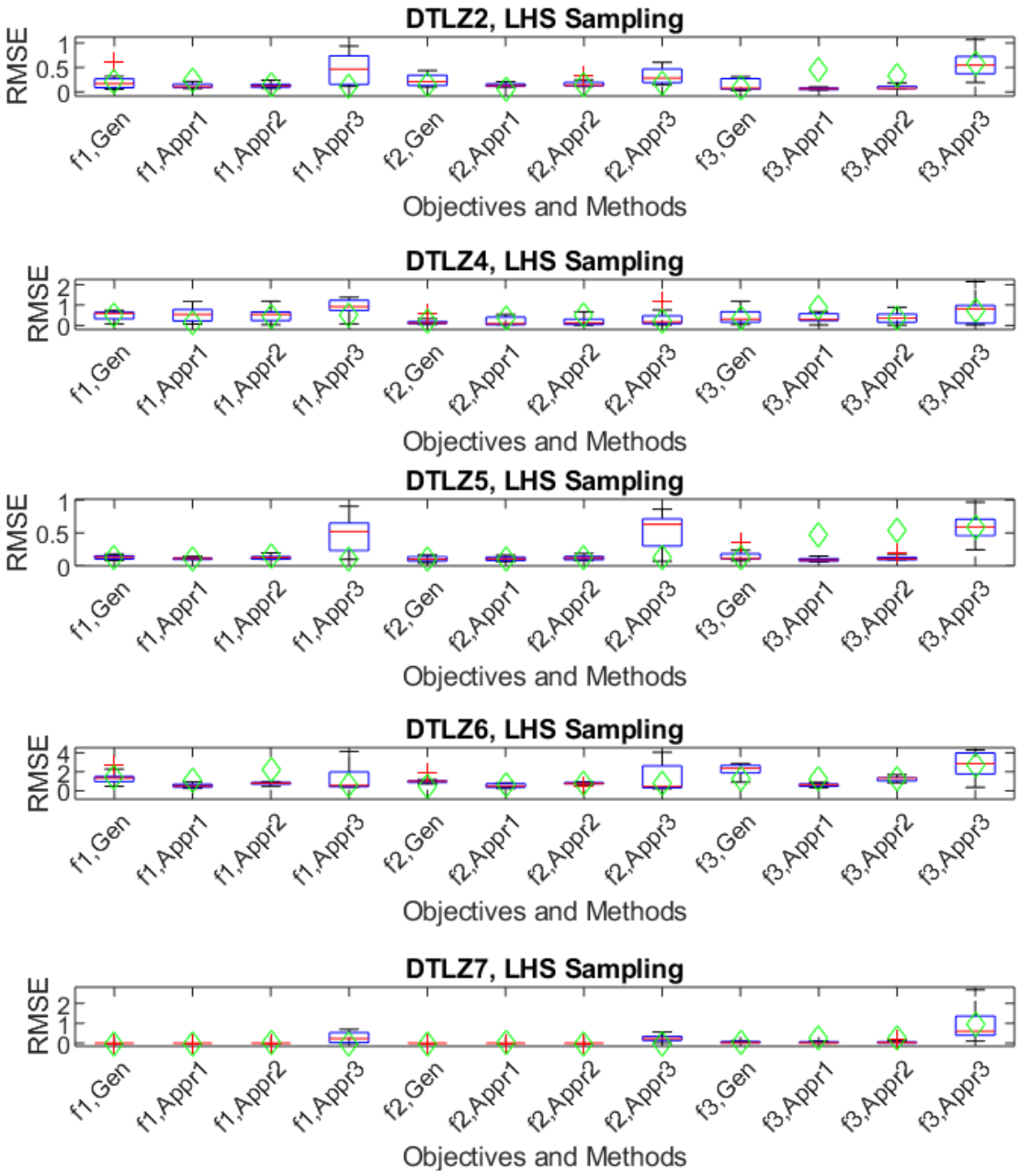

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Figure 12: RMSE of the final solutions for three objective problems, LHS sampling. Here f1 and f2 are the objectives and "Gen", "Appr1", "Appr2" and "Appr3" are the Generic, Approach 1, Approach 2 and Approach 3 respectively.

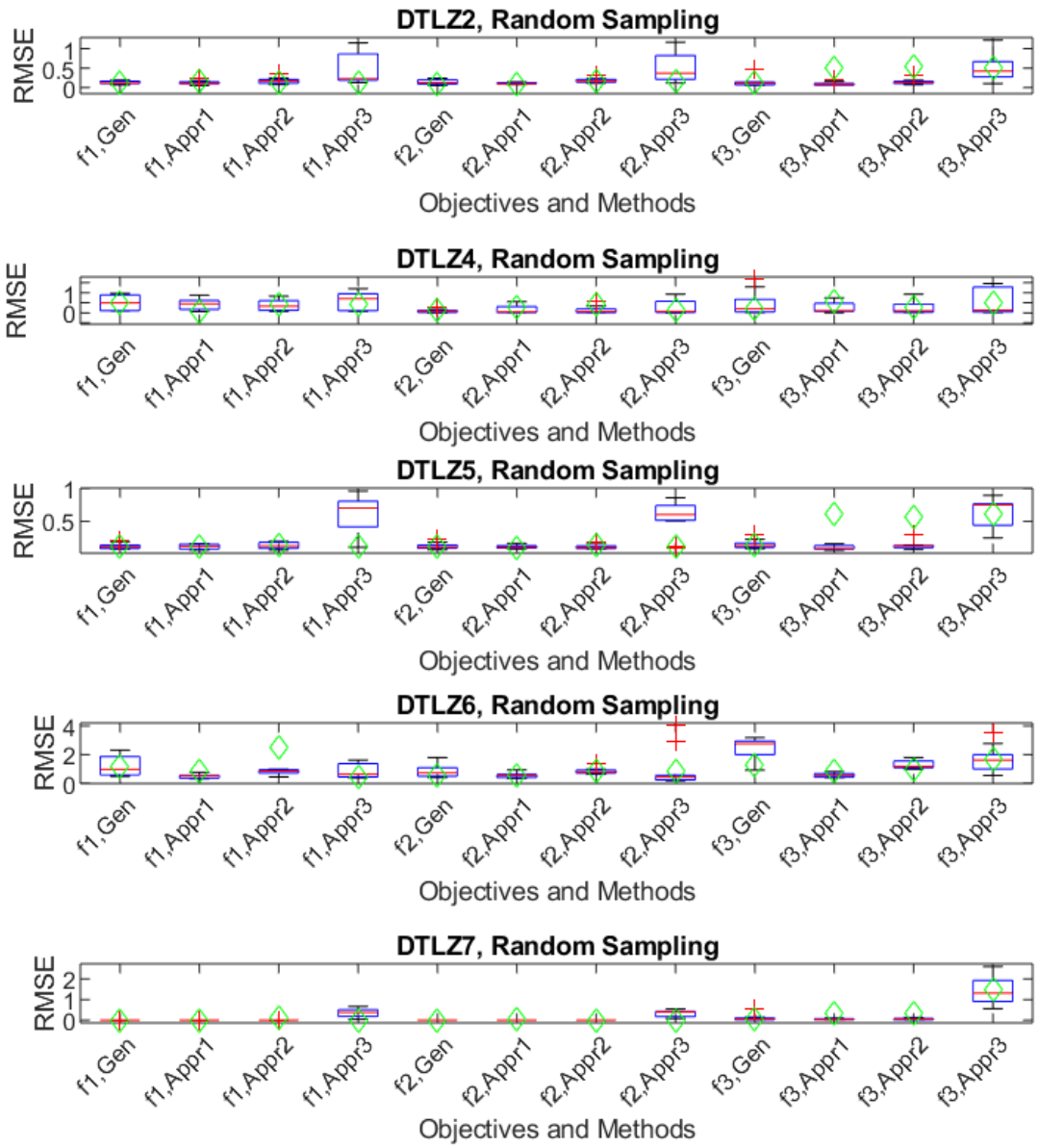
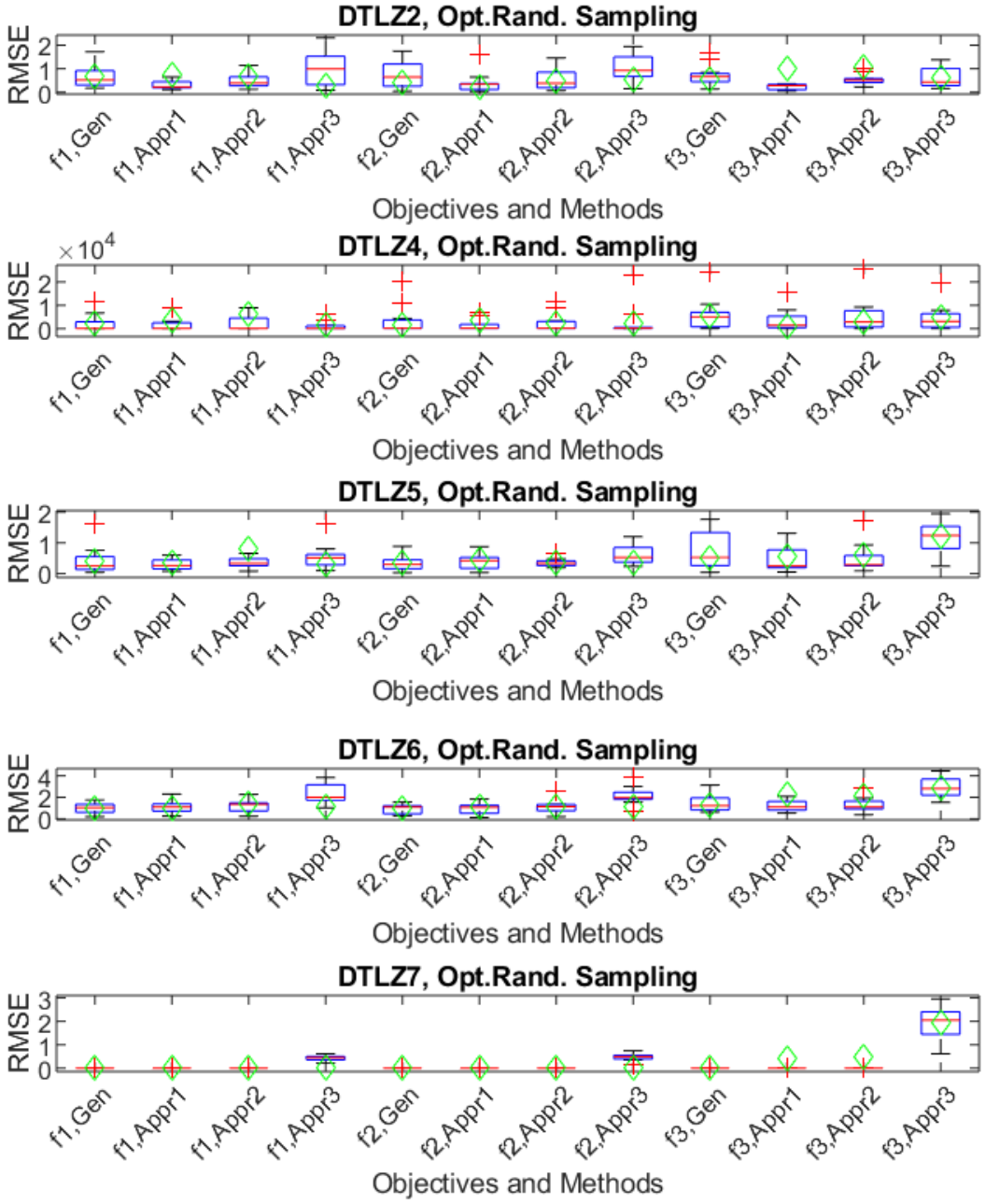


Figure 13: RMSE of the final solutions for three objective problems, Random sampling. Here f1 and f2 are the objectives and "Gen", "Appr1", "Appr2" and "Appr3" are the Generic, Approach 1, Approach 2 and Approach 3 respectively.



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