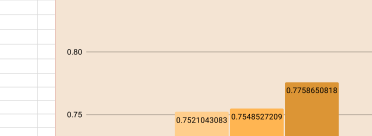


Test Results

Problem	Optimal Tour Length	Ant System Iterations	Ant System Best Tour Length	Ant System Best Iteration	Hybrid Iterations	Hybrid Best Tour Length	Hybrid Best Iteration	Ant System	Problem	Optimal / Best (20 Iterations)	Optimal / Best (50 Iterations)	Optimal / Best (100 Iterations)	Mean Accuracy (20 Iterations)	Mean Accuracy (50 Iterations)	Mean Accuracy (100 Iterations)						
d2103.tsp	80450	20	90288.62448	19	2	90760.23578	2		d2103.tsp	0.8910314058	0.8848335294	0.8990271792		0.7506383493	0.7614697879	0.7736298553					
		50	90921.05727	14	5	91280.01752	4		u2152.tsp	0.7532933597	0.7487252032	0.7769883019									
		100	89485.61496	82	10	90271.99354	4		u2319.tsp	0.7460642002	0.7533627217	0.8049189005									
u2152.tsp	64253	20	85296.11893	14	2	84998.70673	2		pr2392.tsp	0.7160362291	0.7305896241	0.7364885605									
		50	85816.53152	40	5	85401.64216	5		pch3038.tsp	0.7245506253	0.7400074094	0.728487245									
		100	82694.9387	100	7	79139.4014	7		f3795.tsp	0.6815362468	0.6930057441	0.698886429									
u2319.tsp	234256	20	313989.0641	57	2	316079.9437	2		fnl4461.tsp	0.7331160818	0.7452733649	0.7464773299									
		50	310947.1617	47	5	308862.4697	5		ri5915.tsp	0.7597099714	0.7727963721	0.7886428106									
		100	291030.562	98	10	293007.3173	9		ri5934.tsp	0.7504070234	0.7846341223	0.782751941									
pr2392.tsp	378032	20	527950.9397	15	2	518433.9894	2														
		50	517434.1211	22	5	514372.5561	4														
		100	513289.7105	48	10	512873.4536	5														
pch3038.tsp	137694	20	190040.5509	11	2	191020.0138	2														
		50	186071.1099	26	5	189086.8821															
		100	189013.6045	13	10	186243.1927	10														
f3795.tsp	28772	20	42216.39001	16	2	41245.85766	2	Hybrid	Problem	Optimal / Best (2 Iterations)	Optimal / Best (5 Iterations)	Optimal / Best (10 Iterations)	Mean Accuracy (2 Iterations)	Mean Accuracy (5 Iterations)	Mean Accuracy (10 Iterations)						
		50	41517.69339	12	5	42020.60241	2									d2103.tsp	0.8864013993	0.8813539063	0.8911955618		
		100	41168.3484	9	10	40732.44477	2													u2152.tsp	0.7559291485
fnl4461.tsp	182566	20	249027.4113	16	2	250201.6724	2	u2319.tsp	0.7411289601	0.7584476036	0.7994885662										
		50	244965.1478	23	5	251498.3965	2	pr2392.tsp	0.7291805856	0.7349381212	0.7370863073										
		100	244570.0528	19	10	250564.8507	2	pch3038.tsp	0.7208354625	0.7282040934	0.7393236662										
ri5915.tsp	565530	20	744402.4974	47	2	753612.2939	2		f3795.tsp	0.6975730808	0.684711745	0.7063656542		0.7521043083	0.7548527209	0.7758650818					
		50	731796.9136	17	5	743129.5679	2		fnl4461.tsp	0.7296753783	0.7259131769	0.7286177591									
		100	717092.697	81	10	718996.997	9		ri5915.tsp	0.750425656	0.7610113019	0.7865540501									
ri5934.tsp	556045	20	740991.199	18	2	733772.7572	2		ri5934.tsp	0.7577891037	0.7667311199	0.7822577095									
		50	708667.8799	38	5	725215.1186	4														
		100	710371.921	53	10	710820.735	6														