

With Random Coordinates	Design1			Design5		
	Max	Median	Min	Max	Median	Min
getX()	70.65738	20.35642	0.00000	47.93554	20.35817	0.00000
getY()	124.20313	40.88833	0.00000	48.02971	20.37038	0.00000
getRho()	3.16721	3.06250	0.00000	3.08938	0.00000	0.00000
getTheta()	2.83308	0.00000	0.00000	2.67846	0.00000	0.00000

With Cartesian Coordinates only	Design1			Design5		
	Max	Median	Min	Max	Median	Min
getX()	11.67413	0.00000	0.00000	3.12004	0.00000	0.00000
getY()	17.42413	0.00029	0.00000	2.64867	0.00000	0.00000
getRho()	4.94713	0.00000	0.00000	2.56967	0.00000	0.00000
getTheta()	122.74471	51.85331	0.00000	111.76775	53.23719	0.00000

With Polar Coordinates only	Design1			Design5		
	Max	Median	Min	Max	Median	Min
getX()	74.48804	20.26273	0.00000	51.39425	20.26519	0.00000
getY()	124.57025	40.58204	0.00000	48.34646	20.33171	0.00000
getRho()	3.05438	0.00000	0.00000	2.87933	0.00000	0.00000
getTheta()	2.63721	0.00000	0.00000	2.45996	0.00000	0.00000

	Arraylist	Vectorlist	Array
Add Elements in to list	10.2851	14.4735	5.2158
Sum Elements	0.3363	3.8069	0.1328

Time use for testing ArrayList: 10.285052089916302 seconds

Time use for testing Vectorlist: 14.473514385004759 seconds

Time use for testing Originarray: 5.2158035632316 seconds

Time use for testing Sum element in ArrayList: 0.336303209 seconds

Time use for testing Sum element in Vectorlist: 3.806941209 seconds

Time use for testing Sum element in Originarray: 0.132845667 seconds