

Rainbow ACO: Novel Ant Colony Optimization

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Constant α and β

Dynamic α and β

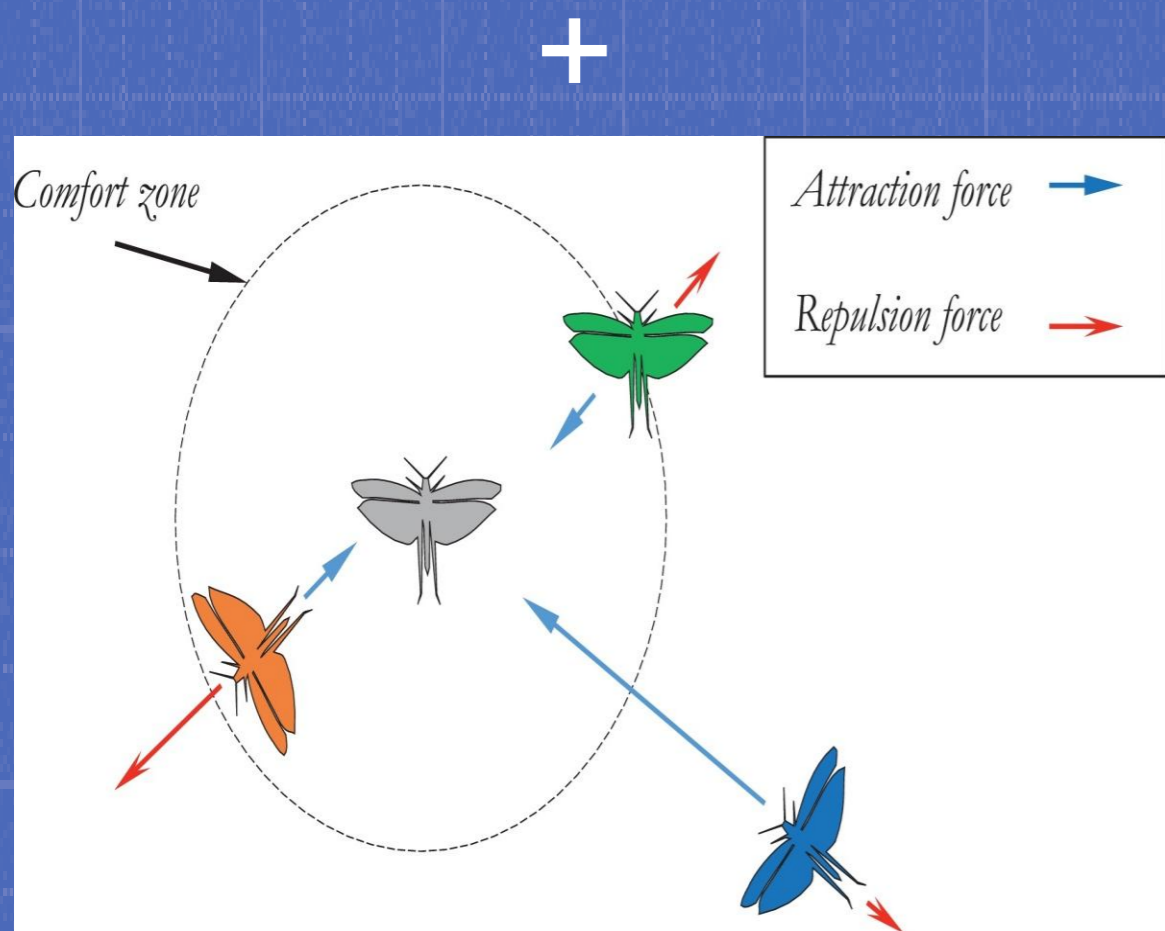


Fig 2

Grasshopper optimization

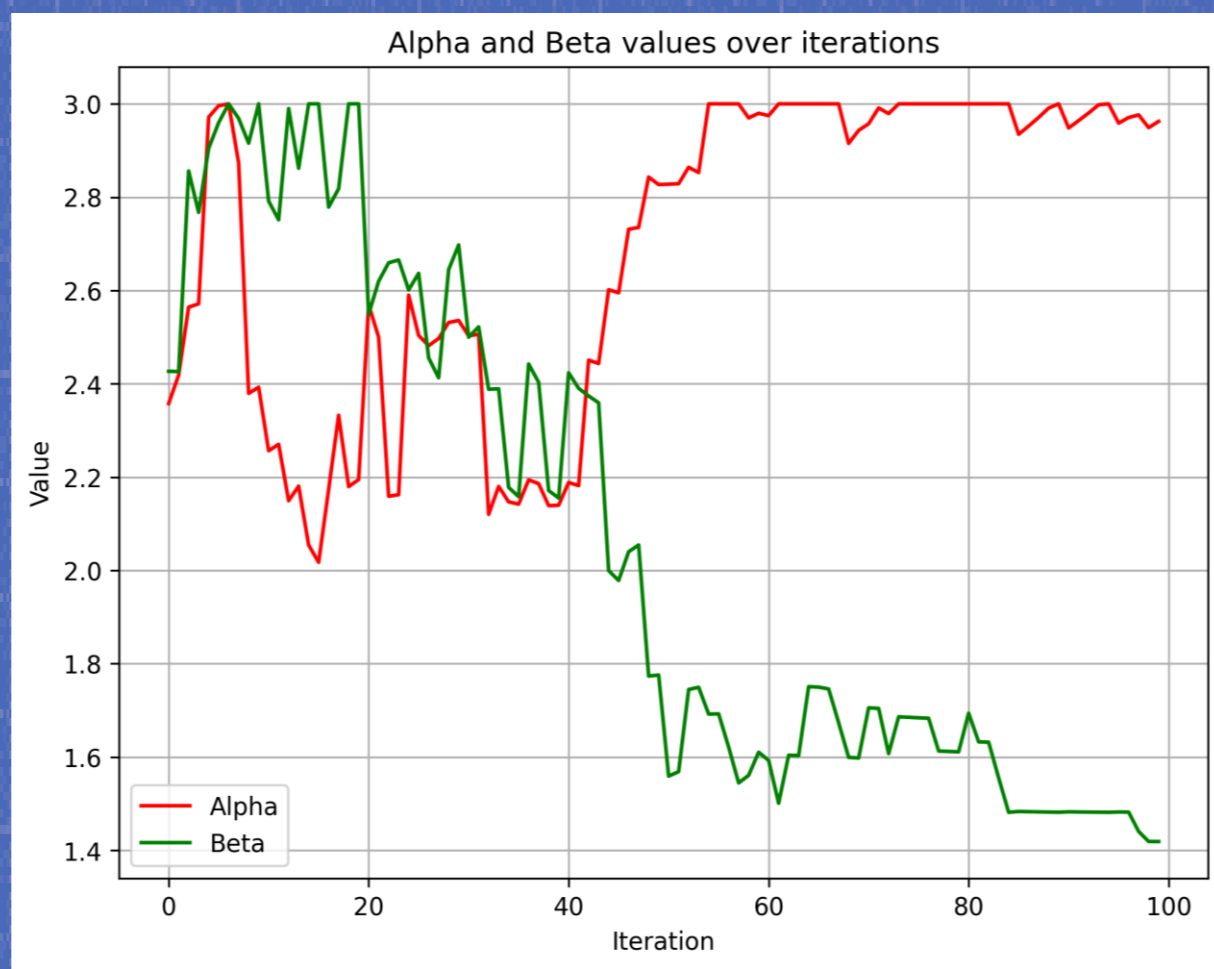


Fig 3

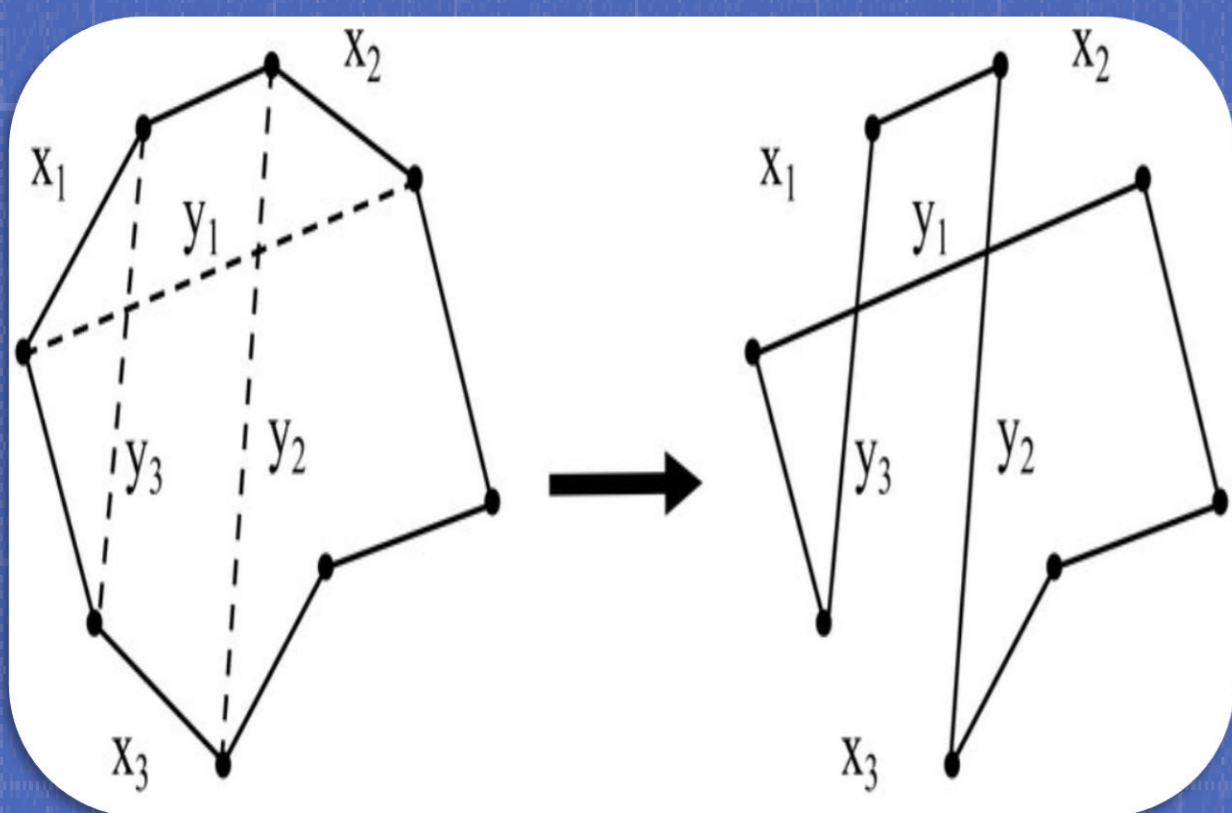


Fig 4 Lin Kernighan

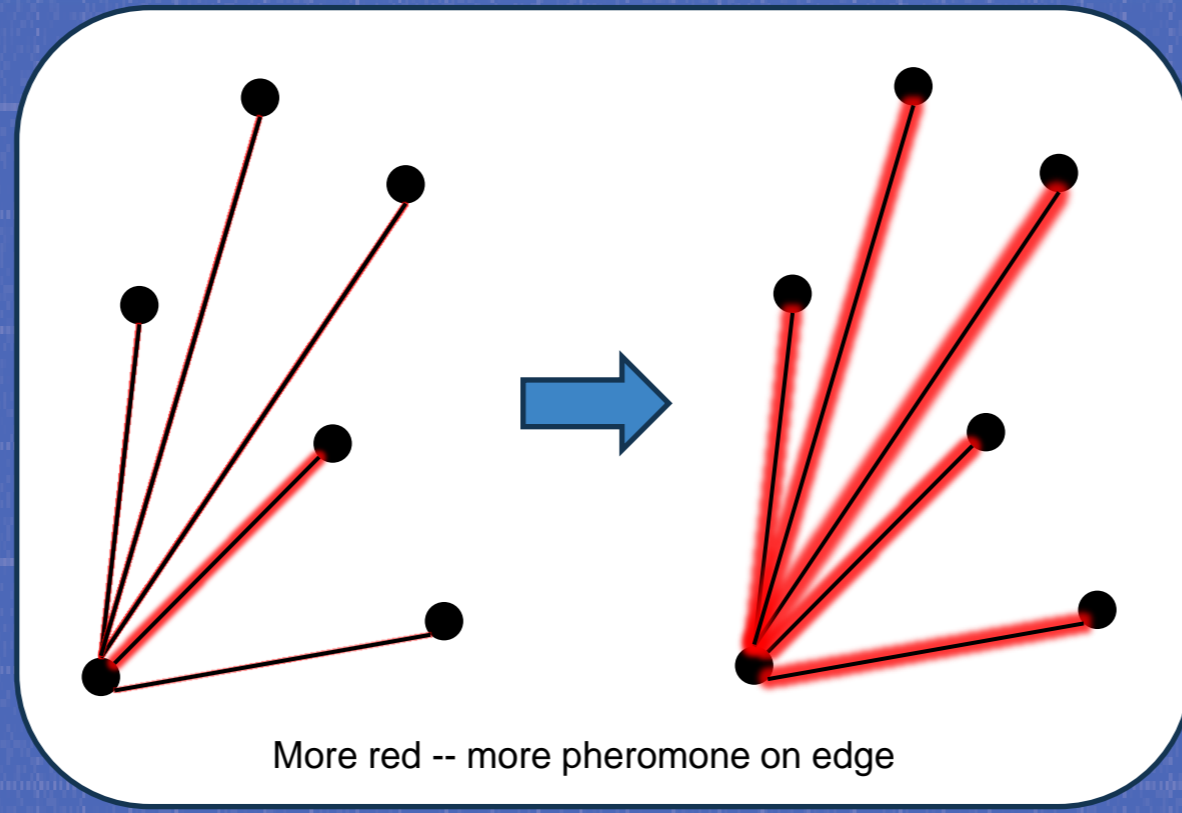


Fig 5 Stagnation protection

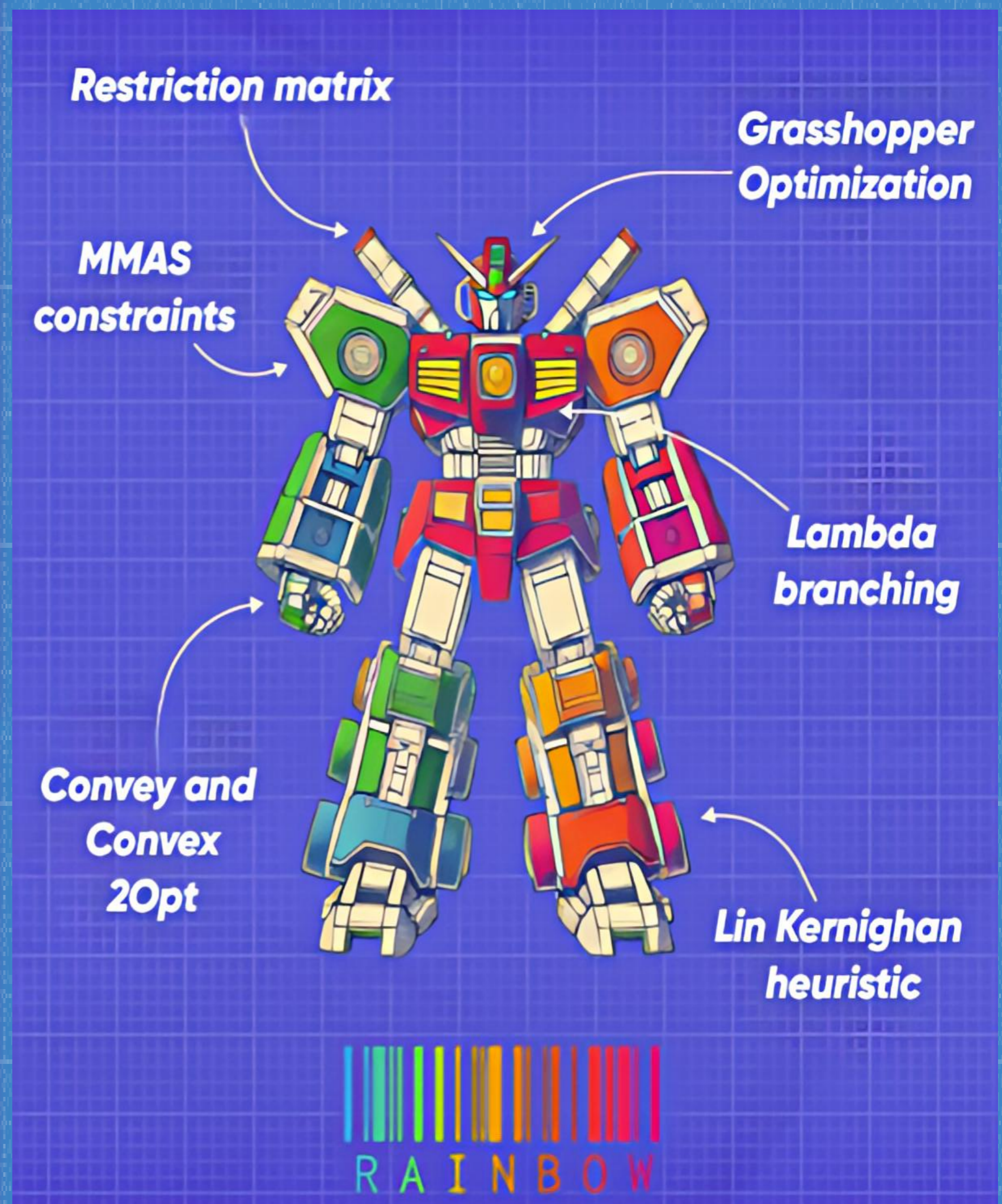


Fig 1

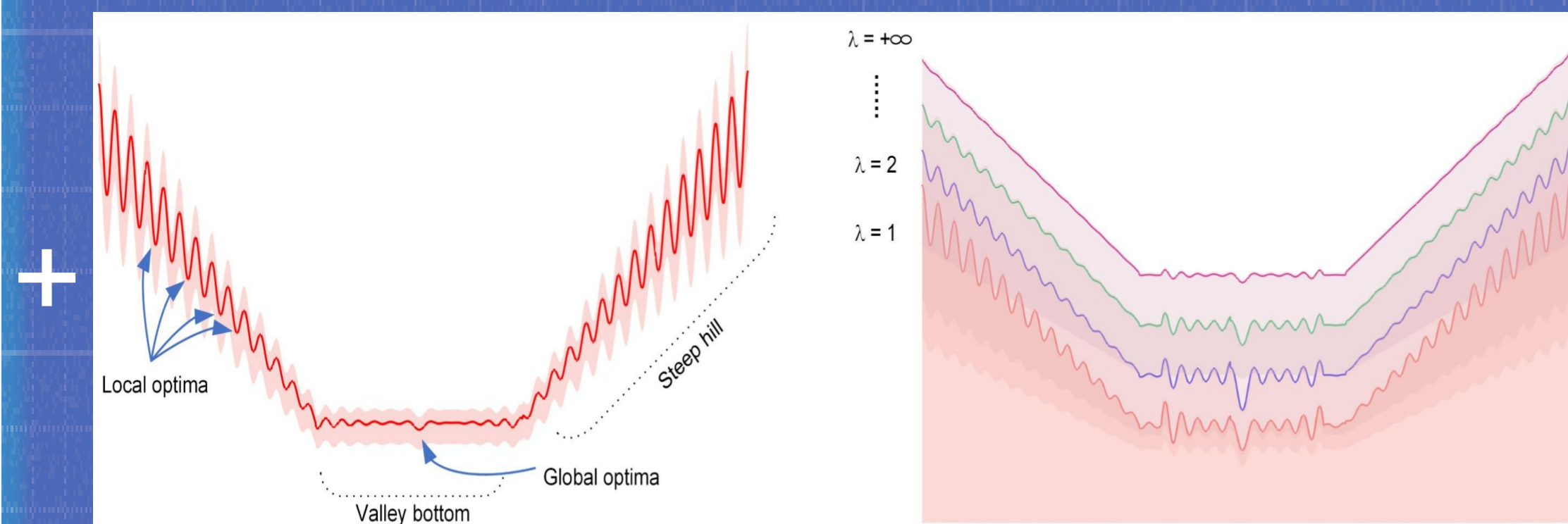


Fig 6 Convey And Convex

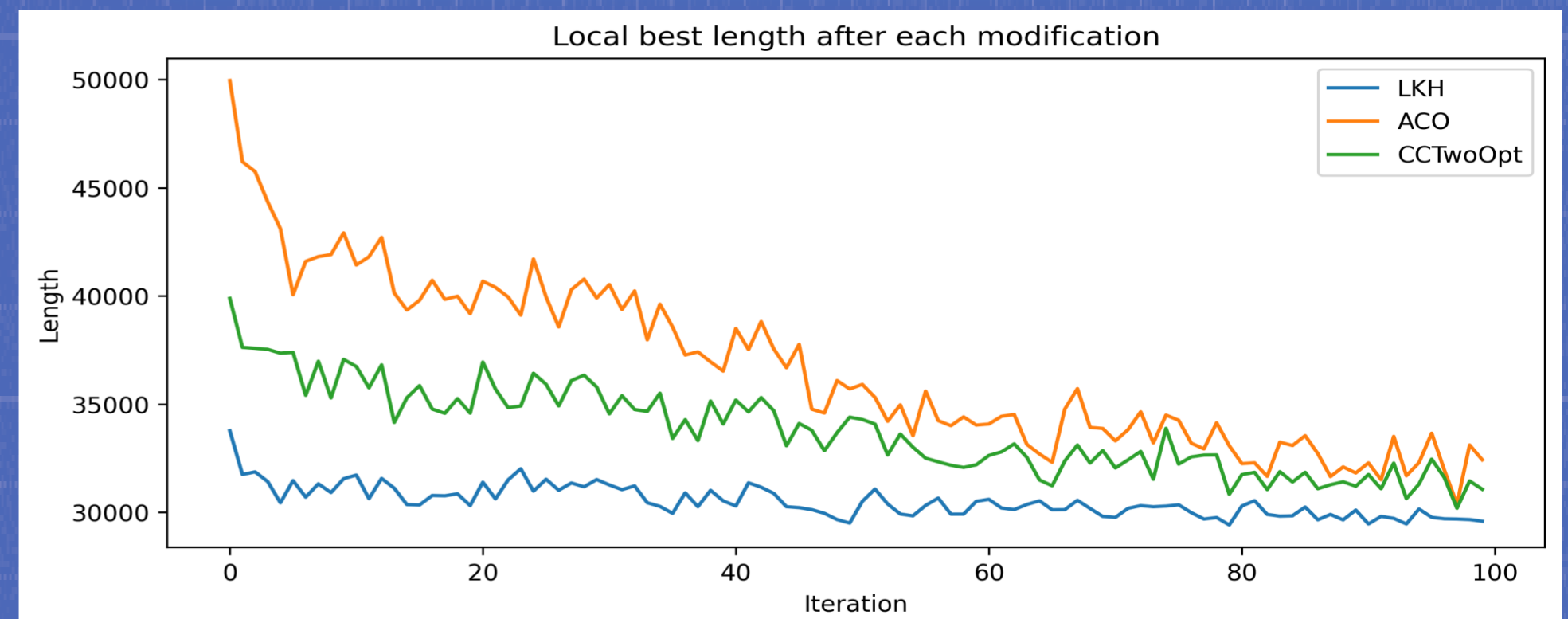


Fig 7

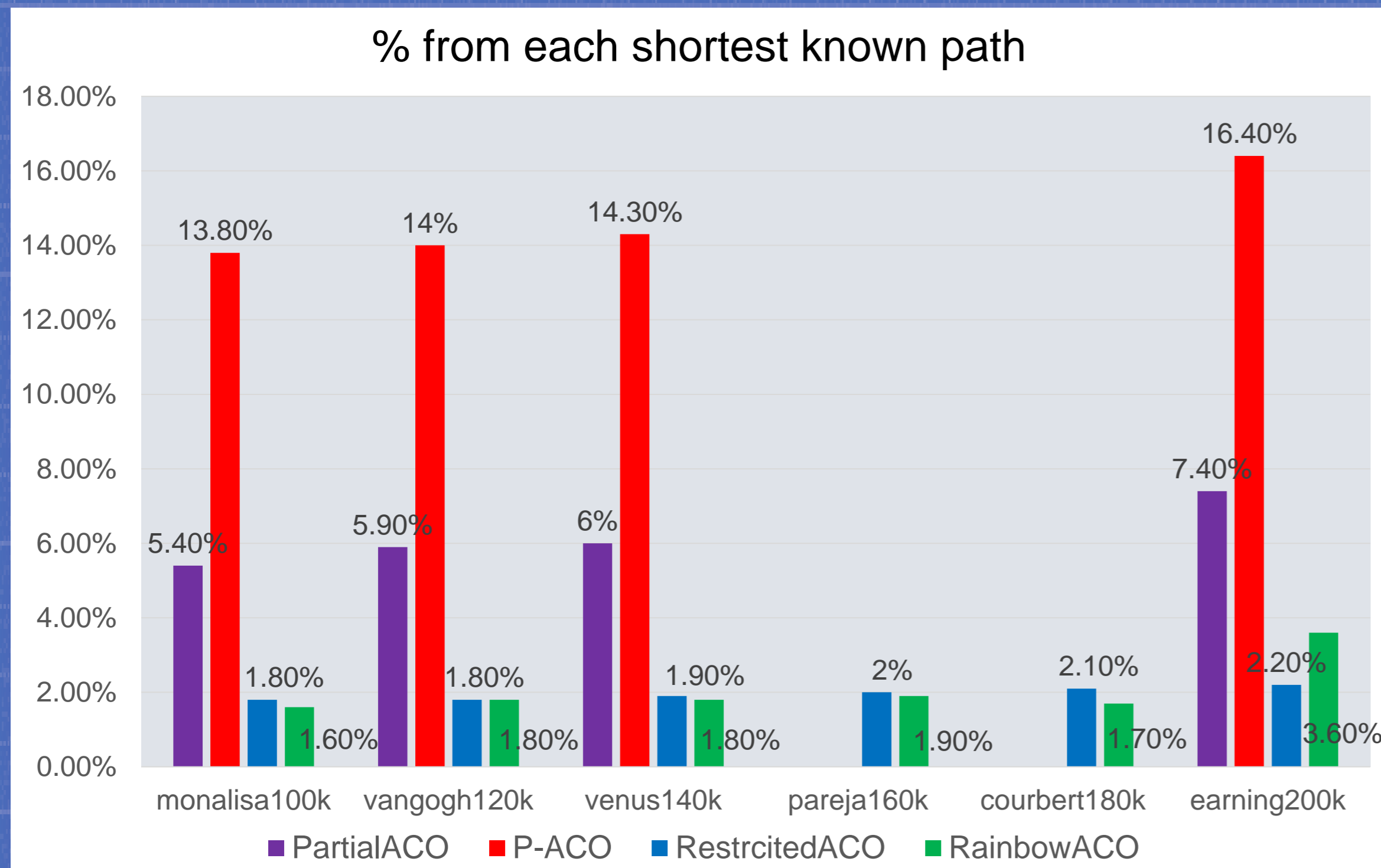


Figure 8

	Execution time					
	monalisa	vangogh	venus	pareja	courbert	earning
PartialACO	64 min	87 min	125 min	no data	no data	323 min
RestrctedACO	84 min	114 min	156 min	270 min	270 min	360 min
RainbowACO	106 min	134 min	166 min	200 min	212 min	233 min

Figure 9

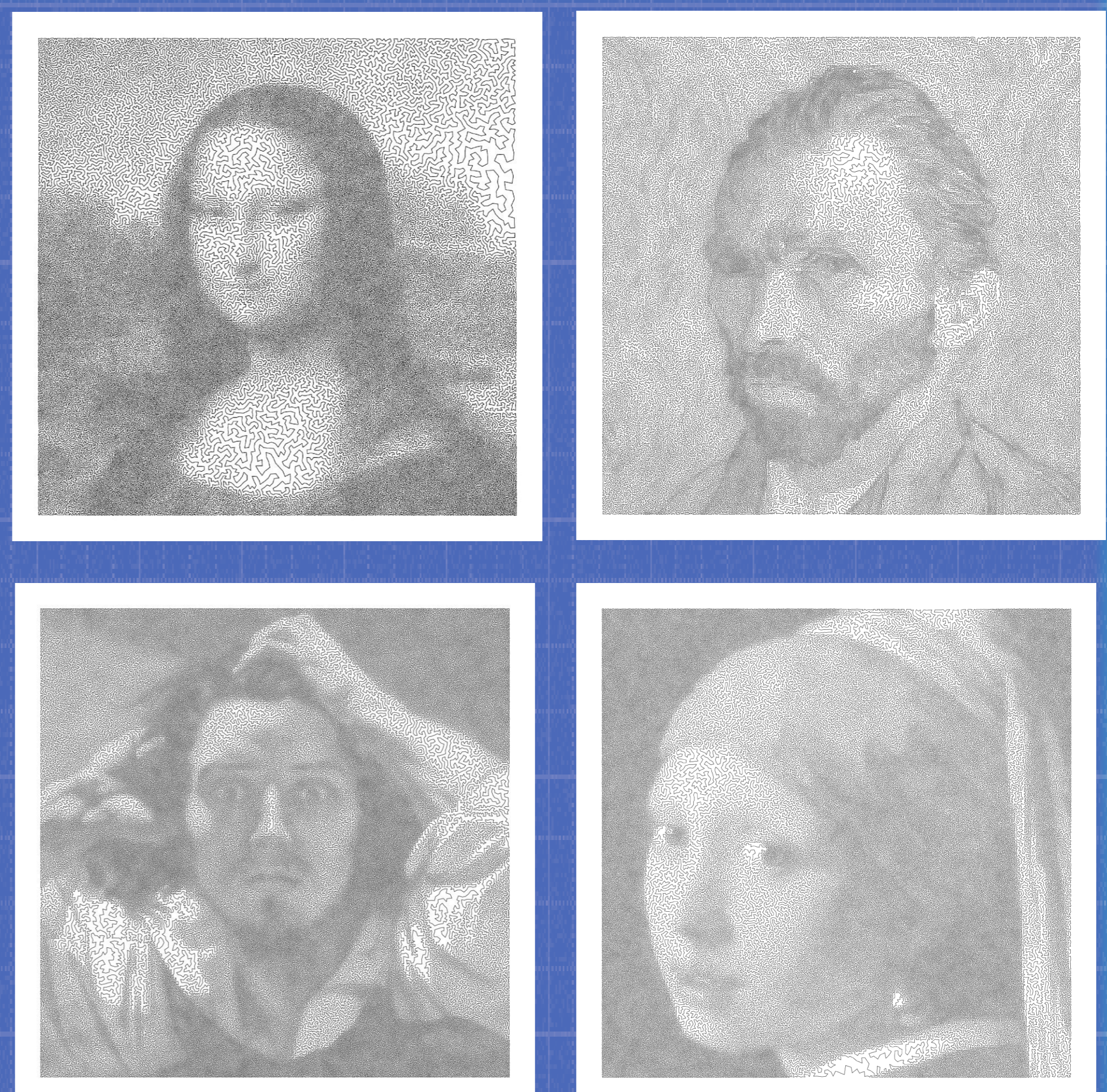


Figure 10