

The figure is a scatter plot with the x-axis labeled 'Nodes' (ranging from 0 to 14) and the y-axis labeled 'Edges' (ranging from 0 to 14). The plot displays data points for different network topologies, color-coded as follows: blue for complete graphs, orange for star graphs, green for cycle graphs, and red for path graphs. For each number of nodes  $n$ , there are multiple points representing different topologies. The points are clustered at the bottom for low node counts and spread out for higher node counts.

Nodes	Edges	Topology
2	1	Path
3	2	Path
3	3	Complete
4	3	Path
4	4	Star
4	6	Complete
5	4	Path
5	5	Star
5	9	Complete
6	5	Path
6	6	Star
6	15	Complete
7	6	Path
7	7	Star
7	21	Complete
8	7	Path
8	8	Star
8	28	Complete
9	8	Path
9	9	Star
9	36	Complete
10	9	Path
10	10	Star
10	45	Complete
11	10	Path
11	11	Star
11	55	Complete
12	11	Path
12	12	Star
12	66	Complete
13	12	Path
13	13	Star
13	78	Complete
14	13	Path
14	14	Star
14	91	Complete

