**ABSTRACT**

Labeling is one of the research Side in Graph theory. In this paper Considering only a finite undirected graph with neither loops nor multiple edges. Let G=(V,E) be a simple graph and $f:V\rightarrow \left\{1,2,3,…\left|V\right|\right\}$ be a bijection. For each edge uv, assign the label 1 if $f\left(u\right)+f(v)$ is even and the label 0 otherwise. *f* is called the even sum cordial labeling if $\left|e\_{f}\left(0\right)-e\_{f}(1)\right|\leq 1,$ where $e\_{f}(1)$ and $e\_{f}\left(0\right)$ denotes the number of edges labeled with 1. Some new graphs like H-graph, Fire Cracker graph, Tadpole graph and Coconut tree graph are even sum cordial labeling.