

(2,3)-Cordial Oriented Hypercubes

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A $(0,1)$ -labeling of a set is called *friendly* if approximately one half of the elements are labeled 1 and the other half are labeled 0. A directed graph is $(2,3)$ -Cordial if there is a friendly labeling that induces a balanced $(1,0,-1)$ labeling on the arc set via a head minus tail labeling. If a non-directed graph can have its edge set oriented into a $(2,3)$ -Cordial directed graph it is called $(2,3)$ -*Orientable*. In this talk we present results on the existence and identification of $(2,3)$ -Cordial oriented n -dimensional hypercubes.

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