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On the Dimension of Vertex labeling of k-Uniform DCSL of even cycle

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Abstract

In this paper, we discuss on the lower bound for the dcsl index δ_k of a k -uniform dcsl of even cycle $C_{2n}, n \geq 2$ in terms of dimension of a poset and prove that $\dim(\mathscr{F}) \leq \delta_k(C_{2n})$, where \mathscr{F} is the range of any k -uniform dcsl f of $C_{2n}, n \geq 2$.

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