Further Results on the Minimum Sum Vertex Cover Problem

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The minimum sum vertex cover (**msvc**) number of an nonempty undirected graph $G = (V, E)$ is defined as follows: The function $f : V \to \{1, 2, \ldots, |V|\}$ is an ordering of V, and $g : E \to \mathbf{Z}^+$ is defined by $g(uv) = \min\{f(u), f(v)\}$. The msvc number is $\mu_s(G) = \min \sum_{e \in E} g(e)$, where the minimum is taken over all orderings f. We summarize our previous work and present further results on **msvc**.

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