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Reconstruction Conjecture on Homological Invariants of Cameron Walker Graphs

We will discuss that the homological invariants of edge ideals of Cameron Walker graphs, such as regularity, and depth can be reconstructed from its vertex deleted subgraphs. Moreover, we will speak on reconstruction of the lattice points of the edge ideals of Cameron Walker graphs such as $(\text{reg}(R/I), \deg h(R/I))$ and $(\text{depth}(R/I), \dim(R/I))$ using the lattice points of their vertex-deleted subgraphs.