## Zk-1-Cartan subalgebras in k-graph C\*-algebras

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Higher-rank graphs, or \$k\$-graphs, are \$k\$-dimensional generalizations of directed graphs; the combinatorial structure of the \$k\$-graph is reflected in the associated \$C^\*\$-algebra. The first investigations of \$k\$-graph \$C^\*\$-algebras, by Kumjian and Pask, showed that these C\*-algebras have a canonical groupoid model. In joint work with J.H. Brown, we identify another groupoid model for certain \$k\$-graph \$C^\*\$-algebras, using the concept of \$\Gamma\$-Cartan subalgebras introduced by Brown, Fuller, Pitts, and Reznikoff.