

In 'A survey of two-graphs' J.J. Seidel lays out the connections between simple graphs, two-graphs, equiangular lines and strongly regular graph. It is well known that there is a one-to-one correspondence between regular two-graphs and equiangular tight frames. This talk will give a generalization of two-graphs for which these connections can be mimicked using roots of unity beyond ± 1 .