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ISOPERIMETRIC NUMBERS OF BALANCED INCOMPLETE BLOCK DESIGN GRAPHS

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Abstract of Talk: The isoperimetric number of a graph is a measure of the graph's connectedness. It finds numerous applications in mathematics and computer science. In this talk, we will present new upper and lower bounds on the isoperimetric numbers of balanced incomplete block design graphs. We will focus particularly on the special cases of finite projective and affine planes.

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