

IPM Combinatorics II: Design Theory, Graph Theory, and Computational Methods
April 22-27, 2006, IPM, Tehran

The Chromatic Number of the q -Kneser Graph

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For each e , with possibly finitely many exceptions, the chromatic number of the q -Kneser graph $K(2e, e, q)$ equals $q^e + q^{e-1}$.