

On Resolvable Cycle Decompositions

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Among graph decomposition problems, cycle decomposition is an the interesting and well-studied one. Especially, requirement of having parallel classes for a resolvable decomposition adds a good flavor and difficulty to the problem. The well-known resolvable cycle decomposition (a.k.a 2-factorization) problems are Hamilton cycle decompositions, Oberwolfach and the Hamilton-Waterloo problems. Here I will talk about these problems and give a few interesting constructions.