The Intersection Problem for Maximum Packings of K_n with 4-Cycles

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In 1993, Elizabeth Billington solved the intersection problem for 4-cycle systems. The solution gives the set of integers k for which there exists a pair of 4-cycle systems of K_n having k cycles in common. We address the generalization to maximum packings of K_n with 4-cycles and present a solution for K_{8n+2} (no time for anything else).

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