Intersection densities of transitive permutation groups

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Two elements \(g\) and \(h\) of a permutation group \(G\) acting on a set \(V\) are said to be intersecting if \(g(v) = h(v)\) for some \(v \in V\). More generally, a subset \(\mathcal{F}\) of \(G\) is an intersecting set if every pair of elements of \(\mathcal{F}\) is intersecting. The intersection density \(\rho(G)\) of a transitive permutation group \(G\) is the maximum value of the quotient \(|\mathcal{F}|/|G_v|\) where \(\mathcal{F}\) runs over all intersecting sets in \(G\) and \(G_v\) is a stabilizer of \(v \in V\).