

A strongly regular graph with parameters (v, k, λ, μ) is a graph on v vertices, regular of degree k , and such that any two distinct vertices have λ common neighbors when they are adjacent, and μ common neighbors when they are nonadjacent. In design theory there are methods to construct designs by assuming an automorphism. We will discuss how these methods can be adapted to the construction of strongly regular graphs. We will also present some preliminary results, especially for graphs whose existence are unknown.