Judy-anne Osborn: *Visualizing Amicability*

The Williamson 'Construction', and other lesser-known related 'constructions' for Hadamard matrices, rely upon having available sets of matrices as ingredients which have the property of being mutually 'amicable'. Motivated by this use of 'amicability', we make an empirical investigation into the smallest interesting 'amicability graph' of plus/minus one matrices, and find ways to visualize the structure we find.