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*Distance-Regular Graphs*, by A. E. Brouwer, A. M. Cohen, and A. Neumaier. Springer-Verlag, New York, 1989, 485 pp., \$84.50. ISBN 3-540-50619-5

The title of the present book refers to a class of graphs whose regularity properties go back to the platonic solids of antiquity. Examples of such graphs are provided by the vertices and the edges of the cube, or of the icosahedron. On the other hand, the graphs have deep connections to many topics of the present-day theory and applications of groups, geometries, codes, and designs. Thus the book represents a large part of discrete mathematics. The geometry of the graphs is phrased in terms of distances; it has a direct translation into algebra. Many mathematical disciplines, ranging from functional analysis to computation, contribute to the understanding of our graphs. Now let us first give some definitions. The