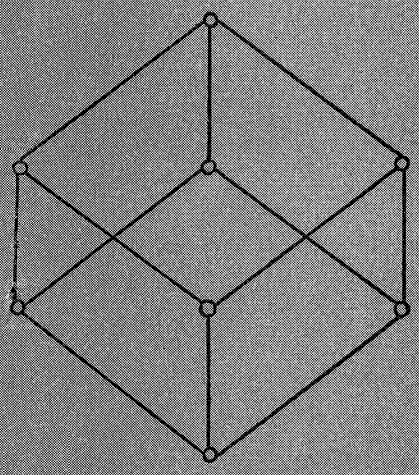
Pacific Journal of Mathematics



IN THIS ISSUE—

Brownell, F. H., *Flows and noncommuting projections on Hilbert space* 1

Chrestenson, H. E., *A class of generalized Walsh functions* 17

Crockett, Jean Bronfenbrenner and Chernoff, Herman, *Gradient methods of maximization* 33

Fine, N. J., *On groups of orthonormal functions (I)* 51

Fine, N. J., *On groups of orthonormal functions (II)* 61

Gehring, F. W., *A note on a paper by L. C. Young* 67

Lambek, J. and Moser, L., *On the distribution of Pythagorean triangles* 73

Wild, Roy E., *On the number of primitive Pythagorean triangles with area less than n* 85

Lehman, R. Sherman, *Approximation of improper integrals by sums over multiples of irrational numbers* 93

Lehmer, Emma, *On the number of solutions of* $u^k + D \equiv w^2 \pmod{p}$ 103

Stalley, Robert, *A modified Schnirelmann density* 119

Moore, Richard A., *The behavior of solutions of a linear differential equation of second order* 125

Whyburn, William M., *A nonlinear boundary value problem for second order differential systems* 147

Vol. 5, No. 1 **March, 1955**