

CONJECTURE. Every special vector lattice of self-adjoint elements in the regular ring of a finite AW\*-algebra is commutative.

ACKNOWLEDGMENTS. The preceding material is an extension of a part of the author's doctoral dissertation. We are indebted to F. D. Quigley and F. B. Wright who patiently directed this work. We should also like to thank J. Dixmier and H. Leptin for several conversations on parts of the material.

#### REFERENCES

1. S. Sherman, *Order in operator algebras*, Amer. J. Math. **73** (1951), 227-232.
2. M. Fukamiya, Y. Misonou and Z. Takeda, *On order and commutativity of B\*-algebras*, Tôhoku Math. J. (2) **6** (1954), 89-93.
3. T. Ogasawara, *A theorem on operator algebras*, J. Hiroshima Univ. (A) **18** (1955), 307-309.
4. R. V. Kadison, *Order properties of bounded self-adjoint operators*, Proc. Amer. Math. Soc. **2** (1951), 505-510.
5. S. Kakutani, *Concrete representation of abstract (M)-spaces*, Ann. of Math. (2) **42** (1941), 994-1024.
6. S. K. Berberian, *The regular ring of a finite AW\*-algebra*, Ann. of Math. (2) **65** (1957), 224-240.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

### REMARK ON MY PAPER "SIMULTANEOUS APPROXIMATION AND ALGEBRAIC INDEPENDENCE OF NUMBERS"

BY W. M. SCHMIDT

It has been pointed out to me that a result very similar to the one proved in my paper was obtained by O. Perron, *Über mehrfach transzendente Erweiterungen des natürlichen Rationalitätsbereiches*, Sitzungsberichte Bayer. Akad. Wiss. H2 (1932), 79-86.

UNIVERSITY OF VIENNA

### INTEGRAL NORMS OF SUBADDITIVE FUNCTIONS

BY R. P. GOSSELIN<sup>1</sup>

Communicated by A. Zygmund, November 14, 1962

It is known that certain integral norms for positive, measurable, subadditive functions of a single variable are comparable (cf. [1]; also [3; 4] for less complete results). This fact was shown to have

<sup>1</sup> This research was supported by the Air Force Office of Scientific Research.