



Unabridged List Of Publications

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FREDERICK H. RAAB, THESES

- [1] F. H. Raab, "Binary data compression using characteristic vectors," M.S. Thesis, Iowa State University, Ames, 1970.
- [2] F. H. Raab, "Carrier generation using pulsewidth modulation," Ph.D. Dissertation, Iowa State University, Ames, 1972.

FREDERICK H. RAAB, PAPERS

- [1] F. H. Raab, "Binary data compression by linear transformation," *Computer Graphics and Image Processing*, vol. 2, no. 1, pp. 12 - 21, Aug. 1973. [TP70-4]
- [2] F. H. Raab, "Radio frequency pulsewidth modulation," *IEEE Trans. Commun.*, vol. COM-21, no. 8, pp. 958 - 966, Aug. 1973. [TP72-1]
- [3] F. H. Raab, "High efficiency RF power amplifiers," *Ham Radio*, vol. 7, no. 10, pp. 8 - 29, Oct. 1974. [TP73-1]
- [4] F. H. Raab, "A simple preprocessor for narrowband omega retransmission," *Proc. Int. Telemetry Conf.*, vol. 10, pp. 252 - 259, Los Angeles, CA, Oct. 15-17, 1974. [TP74-2]
- [5] F. H. Raab, "High efficiency amplification techniques," *IEEE Circuits and Syst.* (Newsletter), vol. 7, no. 10, pp. 3 - 11, Dec. 1975. [TP75-6]
- [6] F. H. Raab, "VTOL landing aid using low-frequency near-field techniques," *Proc. Inst. Navigation National Aerospace Symp.*, Warminster, PA, pp. 109 - 116, April 27 - 28, 1976. [TP76-2]
- [7] F. H. Raab, "FET power amplifier boosts transmitter efficiency," *Electronics*, vol. 49, no. 12, pp. 122 - 126, June 10, 1976. [TP75-1] Russian translation in *Elektronika*, no. 12, pp. 57 - 63, 1976.
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- [9] F. H. Raab, "High efficiency amplification techniques," *Nikkei Electronics* (Japanese), no. 44, pp. 121 - 146, Aug. 23, 1976. [TP75-6]

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- [13] F. H. Raab, "The class BD high-efficiency RF power amplifier," *IEEE J. Solid State Circuits*, vol. SC-12, no. 3, pp. 291 - 298, June 1977. [TP75-8]
- [14] F. H. Raab, "Omega ambiguity resolution techniques," Presented at *The Inst. Navigation Annual Meeting*, Costa Mesa, CA, June 22-24, 1977. [TP75-9]
- [15] F. H. Raab and J. R. Waechter, "The counting phase detector with VLF atmospheric noise," *IEEE Trans. Aerosp. and Electronic Sys. Mag.*, vol. 13, no. 5, pp. 522 - 532, Sept. 1977. [TP75-7]
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