Professor Vera Pless has made fundamental contributions to the theory of Reed-Muller codes. In particular, she has enumerated the binary self-dual Reed-Muller codes.
Error Correcting Codes and Related Designs

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91-06898
I. The following papers acknowledge Air Force support

1. (with R. Brualdi), Subcodes of Hamming codes, Congressus Numerantium 70 (1990), 153-158.


3. (with C. Lam), There is no (24, 12, 10) extremal quaternary code, IEEE Trans. Inform. Theory, IT-36 (1990), 1153-1156.


II. Invited talks

1. "Introduction to Error Correcting Codes and a New Decoding Scheme," Northern Illinois evening talk for graduate students and faculty, Dekalb, IL, October 17, 1988.


Vera Pless


15. "On Games and Codes," A.M.S. short course, Ohio State University, Columbus, Ohio, August 7, 1990.

III. Other Activities

1. On National Research Council Committee to advise N.S.A. about Ocrea grants.

2. Editor: Journal of Combin. Theory (A)
   Algebras, Groups and Geometries
   Associate Editor: Linear Algebra and Its Applications

IV. Graduate Students

My student, Venessa Job, received her Ph.D. in 1989; "On Polyadic Codes". She is presently a Clare Booth Luce professor at Marymount University in Arlington, VA.

My student, Xiang-Dong Hou received his Ph.D. in 1990; "On the Covering Radius of Codes". He is presently an assistant professor at Wright State University in Dayton, Ohio.

I supervised Ning Cai – a postdoctoral mathematician in 1989.

During this period I supervised Jesse Nemoyer and Laura Monroe who are working on their theses.