

Spectral Techniques for Logic Design

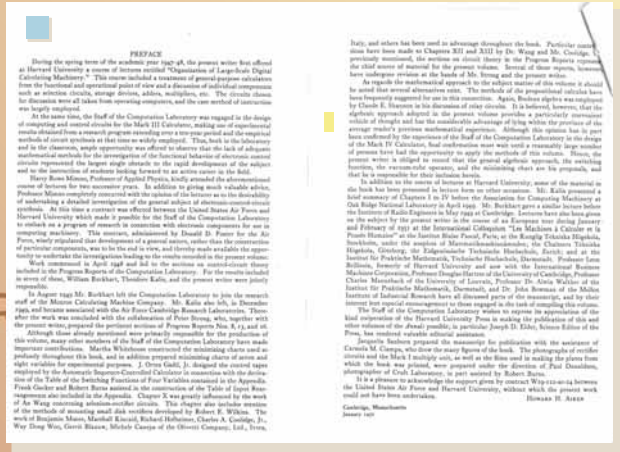


$$S_f = AF$$

$$= RF$$

$$S_f = F$$

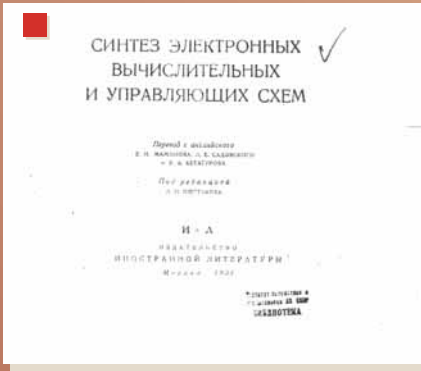
$$S_f = WF$$



$$S_f = RF$$

$$S_f = RF$$

$$S_f = WF$$



First pages of *Annals of The Computational Laboratory* Oxford University, 1951.

Comments on the arithmetic expressions in the Preface written by H.H. Aiken

Translation into Russian under supervision by V.I. Shestakov

Comments by Aiken in Russian

First page of a paper by Y. Komamiya related to applications of group theory to Logic Design

Komamiya used Reed-Muller and arithmetic expressions in

$$S_f = RF$$

Komamiya, Y., "Theory of reley networks for the transformation between the decimal into binary system", *Bull. of E.T.L.*, Vol. 15, No.8, August 1951, 188-197.

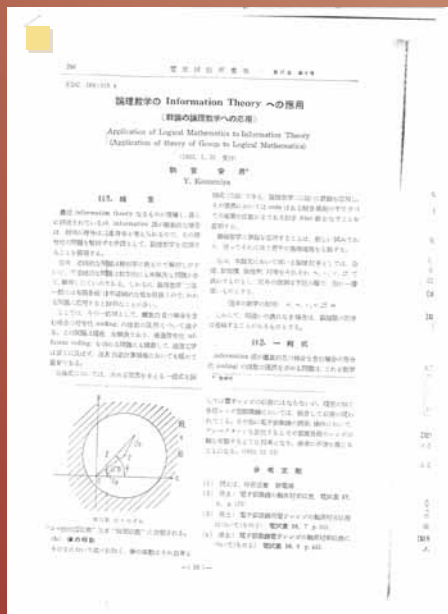
Komamiya, Y., "Theory of computing networks", *Researches of E.T.L.*, No.25, Dec 1951 and 1952, Congress for Applied Mathematics, May 1952, 527-532.

Komamiya worked with Aiken and visited few times his Lab between 1951 and 1953.

Cover of the first university textbook in Spectral Techniques for Logic Design

Cover of the first monograph in Spectral Techniques for Logic Design

Karpovskii, M.G., Moskalev, E.S., *Spektral'nye metody analiza i sinteza diskretnih ustroystv*, Energiya, Leningrad, 1973, in Russian.



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