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**Uniform and Tangential Approximation on a Strip
by Entire Functions Having Optimal Growth**

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Abstract. For a functions f , continuous on a closed strip S and holomorphic on its interior, we discuss the problem of uniform and tangential approximation on S by entire functions with simultaneous estimation of their growth. For the optimization of this growth (depending on the growth of f on S and on the differential properties of f on ∂S) we develop an adequate approximation technique. In this way we obtain sharp new results on uniform and tangential approximation by entire functions of finite order. These sharpen results of H. Kober [Ko1], [Ko2], M. V. Keldysh [Ke], and other authors.

Keywords. Uniform approximation, tangential approximation, entire function.

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