

ON A THEOREM OF BERNSTEIN AND ITS APPLICATIONS TO WEIGHTED MINIMAX SERIES

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摘要

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Abstract In this paper, some results about approximation in a norm $\| \cdot \|$ induced by the minimax series are studied. Then a Bernstein-type theorem for the norm $\| \cdot \|$ is established. Finally the Bernstein theorem is applied to prove the existence of certain equalities with minimax series and weighted minimax series.

Key words [Approximation theory](#) [polynomials](#) [Bernstein theorem](#) [minimax series](#).

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