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Best uniform approximation of differentiable functions by algebraic polynomials. (English)

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[42A10](#) Trigonometric approximation

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References:

- [1] N. P. Korneichuk, ?Extreme values of functionals and best approximation in classes of periodic functions,? *Izv. Akad. Nauk SSSR, Ser. Mat.*,35, 93-124 (1971).
- [2] N. P. Korneichuk, ?Methods of investigating extremal problems in the theory of best approximation,? *Usp. Mat. Nauk*,29, No. 3, 9-42 (1974).
- [3] S. N. Bernshtein, ?Limit relations among constants in the theory of best approximation,? in: *Collected Works [in Russian]*, Vol. 2, Moscow (1952), pp. 413-415.
- [4] A. I. Polovina, ?Approximation of functions, defined on an interval, by algebraic polynomials,? in: *First Republican Mathematical Conference of Young Investigators*, No. 2, Kiev (1965), pp. 560-569.
- [5] A. I. Polovina, ?Best uniform approximation of differentiable functions by algebraic polynomials,? *Izv. Vyssh. Uchebn. Zaved.*, No. 12, 76-82 (1969). · [Zbl 0202.34601](#)
- [6] A. A. Zakharov, ?Asymptotic behavior of Lebesgue functions of linear means of interpolational processes,? *Mat. Sb.*,75, No. 3, 335-348 (1968). · [Zbl 0183.06101](#)

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