

A CHARACTERIZATION FOR FUNCTIONS SATISFYING AN ASYMPTOTIC FORMULA

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We follow the study developed in [1], thus characterizing those real continuous functions defined on real intervals which fulfill an asymptotic formula with respect to suitable sequences of positive linear operators. The characterizing property regards both the smoothness and the behavior at the endpoints of the interval of the first and second derivatives of the functions involved.

As examples of application we analyze the cases of the Szász-Mirakjan operators as well as the modified Post-Widder operators.

REFERENCES

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