BOX–COUNTING DIMENSION OF OSCILLATORY SOLUTIONS TO THE EMDEN–FOWLER EQUATION

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Abstract. The box-counting dimension of graphs of oscillatory solutions to the Emden-Fowler equation is studied. The half-linear equation is also considered.


Keywords and phrases: Oscillatory solution, box-counting dimension, Minkowski-Bouligand dimension, Minkowski content, Emden-Fowler equation, half-linear equation.

REFERENCES