

## **Nonlinear approximation of weighted Wiener classes of functions of several variables in different metrics**

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In the talk, we would like to discuss some results on the order estimates of nonlinear approximations (best  $n$ -term trigonometric approximations, best  $n$ -term orthogonal trigonometric approximations, greedy approximations) of weighted Wiener classes in Wiener and Lebesgue spaces.