

On the Density of Regular Functions in Variable Exponent Sobolev Spaces

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Abstract

The talk will deal with when every function in a variable exponent Sobolev space can be approximated by a more regular function, such as a smooth or Lipschitz continuous function. Many researchers have made contributions, but still remain substantial gaps in our understanding of this intricate question. A discussion on methods also will take place. I will also give some my results for the density in variable exponent Sobolev spaces.

References

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