Existence of infinitely many solutions for an anisotropic equation using genus theory

Abdolrahman razani[1] and Giovany Figueiredo[2]

[1]Imam Khomeini International University
[2]Universidade de Brasília

February 22, 2022

Abstract

Using genus theory, the existence of infinitely many solutions for an anisotropic equation involves subcritical growth is proved. Also by using Krasnoselskii genus and Clark's theorem, the existence of k-pairs of distinct solutions is proved. Finally, the anisotropic equation involves critical growth is considered and the existence of infinitely many solutions is proved.

Hosted file

`problem63.pdf` available at https://authorea.com/users/461876/articles/557454-existence-of-infinitely-many-solutions-for-an-anisotropic-equation-using-genus-theory