

The Helicoidal Method

Camil Muscalu (Cornel University) muscalu@math.cornell.edu, Cristina Benea (Cornel University)

Resumo/Abstract:

Not long ago, we discovered a new method of proving (multiple) vector valued inequalities in harmonic analysis. With the help of it, we have been able to give positive answers to a number of open questions that have been circulating for some time. In addition, sparse domination results can also be obtained, not only for the operators in question, but also for their (multiple) vector valued extensions. The plan of the talk is to describe the method and (some of) its applications.