

Thursday, December 12th, 17.00-18.00

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## SELF-IMPROVING PROPERTIES OF POINCARÉ-SOBOLEV TYPE INEQUALITIES

In this talk some results in relation with the self-improving properties of generalised Poincaré-Sobolev type inequalities will be discussed. On the one hand, some previous results on the general theory of self-improvement of these inequalities will be introduced to later present some new results in this direction. On the other hand, some new results concerning weighted fractional Poincaré-Sobolev type inequalities will be stated.