

Transference methods for functional calculus bounds

In this talk we will examine the transference principle, a method of factorizing certain operators on a Banach space X via convolution operators on X -valued function spaces. Such a factorization can be used to provide functional calculus bounds which in turn are useful in a variety of situations, think of maximal regularity problems, existence of solutions to evolution equations, etc. The basics of functional calculus and transference will be explained and some new results will be presented.