

# A NEW APPROACH TO THE FOURIER EXTENSION PROBLEM FOR THE PARABOLOID

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**Abstract:** The plan of the talk is to describe a new approach to the so-called "Restriction Conjectures" in Harmonic Analysis, that Itamar Oliveira and I have developed recently. Without entering into details, this new point of view allows one to prove that (essentially) all the relevant conjectures (linear or multi-linear) are true, provided that one of the functions involved has a tensor structure.