# LOCAL AND MICROLOCAL BMT REGULARITY VIA A CLASS OF FBI TRANSFORMS

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ABSTRACT. In this talk I will present a characterization of local and microlocal BMT regularity (in the sense of Braun, Meise and Taylor, see [1]) for ultradistributions using a class of FBI transforms defined by weight functions (this class involves the weight functions used to define BMT regularity and includes the subclass of Sjostrand's FBI transforms used in [2]). Also, I will present a characterization of Iterates of Partial Differential Operators in the sense of BMT classes (called BMT vectors) and, as an application, I will present a relation between BMT regularity and BMT vectors.
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## REFERENCES

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