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Function Spaces and Operators of Type 1,1

Pseudo-differential operators of type 1,1 have recently reached a rather more mature level of their theory, including applications to non-linear boundary value problems. The crux of this development is their definition by vanishing frequency modulation, which contains the exact version of Bony's paramultiplication. The talk will focus on the obtained L_p -results, formulated in terms of Lizorkin–Triebel spaces. These extend previous (extendability-)results of e.g. Bourdaud, Hörmander, Runst and Torres.