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### **Atomic decomposition of a subspace of BMO**

The goal of my talk is to introduce a new decomposition of a subspace of BMO. This is a continuation of what I have been doing for other function spaces. Around 1990, Frazier and Jawerth introduced the technique of obtaining non-smooth atoms from wavelet decomposition. This idea was revisited by Grafakos in his text book *Modern Harmonic Analysis*. This technique together with the re-examination of the atomic decomposition of Hardy spaces with variable exponents brought out a new technique to decompose functions in other spaces such as Triebel-Lizorkin-Morrey spaces. My talk reports an advancement in this direction.