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Zhen Zeng*, 209 South 33rd St., Philadelphia, PA 19104. *Decay property of multilinear oscillatory integrals.*

In the breakthrough paper of Christ, Li, Tao and Thiele, they initial the study of the conditions on the polynomial phase P and the projections $\{\pi_i\}$ to ensure the power decay estimate of the corresponding multilinear oscillatory integrals. It turns out that λ -uniformity introduced by Christ, Li, Tao and Thiele can be generalized to a more general splitting lemma which is developed by Christ. In this talk, I will extend their results and tools to a more general trilinear case. (Received September 23, 2018)