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## Paley-Wiener for the Casselman–Wallach algebra and the Oka principle

*Wednesday, February 26, 2025 11:00 AM (1 hour)*

I will talk about how Delorme’s techniques used in his proof of the Paley-Wiener theorem can be applied to the Casselman-Wallach Schwartz algebra of rapidly decreasing smooth functions on a real reductive group, and how they can be used to give a sort of structure theorem strong enough to prove a refined version of the Connes-Kasparov isomorphism. If there’s time, I will discuss how the Connes-Kasparov isomorphism (in the formulation I use) fits into an “Oka principle” philosophy for Baum-Connes (which started with Bost), and I will discuss further ideas in this direction.

**Presenter:** BRADD, Jacob (Pennsylvania State University)