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## Yaozhong Qiu: On a Bakry-Émery calculus for multiplication operators

*Monday, May 29, 2023 4:10 PM (45 minutes)*

We review some progress in the study of generalised Bakry-Émery calculi, and then discuss some recent developments concerning the particular case of the Bakry-Émery calculus associated to multiplication operators. We provide a connection with Hardy inequalities, a sufficient criterion thereof, and some typical examples.

**Presenter:** QIU, Yaozhong