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TITLE: On the use of real-time musical audio analysis techniques in live performance

ABSTRACT:

In recent years, we have seen widespread research into musical audio analysis techniques. This talk will discuss the potential for these techniques to become stable enough for use in live performances. In particular I will present a number of real-time algorithms (available as Max objects) and discuss what can be learned from their combination. I will then give an overview of work at Queen Mary to use these tools outside of the lab in an installation at the National Portrait Gallery and in an outreach project aimed at performing bands.