Composing "Break": Extended Techniques as Tools for Creating Timbral Ambiguity Kayra Caner, University of Calgary, kayra.caner@ucalgary.ca

Summary

"Break" is an ensemble piece featuring clarinet in Bb, violin, violoncello, and contrabass. This spectral piece explores the timbral range inherent to each instrument, primarily through the use of extended techniques.

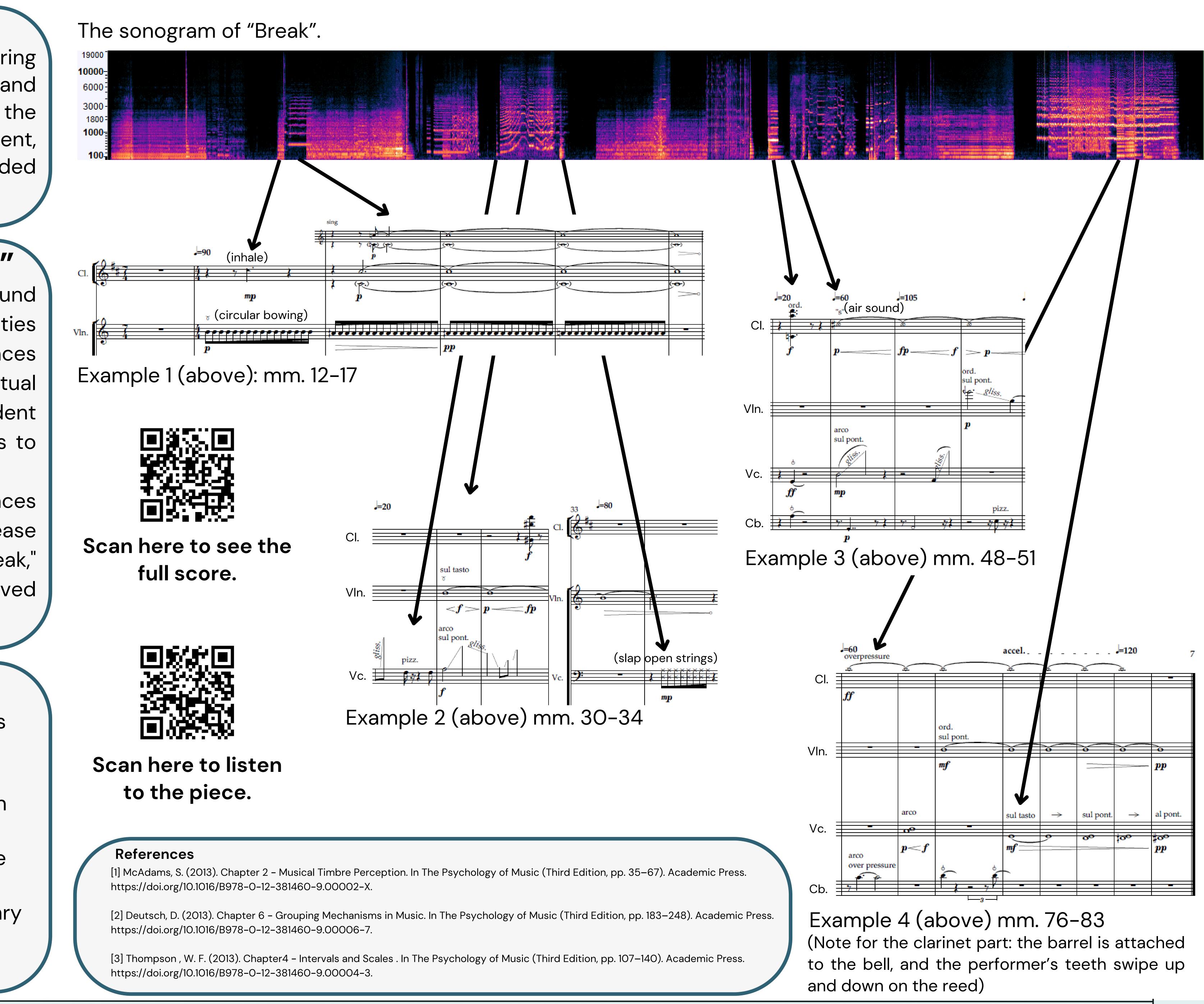
Timbre's Role in "Break"

Timbre plays a crucial role in sound perception by providing unique qualities that differentiate sounds [1]. It influences the grouping of sounds into perceptual units [2]. In "Break", this influence is evident as the ensemble uses timbral variations to create diverse sonic textures.

Timbre's interaction with pitch influences how listeners perceive tension and release [3]. This interaction is explored in "Break," with the overall tonal color and perceived tension of the composition.

Methodology

- 1. Conducting instrumental experiments with performers.
- 2. Documenting noteworthy sounds.
- 3. Structuring the composition based on selected sounds.
- 4. Refining decisions and composing the piece.
- 5. Recording and implementing necessary adjustments.
- 6. Concluding the composition.



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