

jPop-E: An Assistant System for Performance Rendering of Ensemble Music

Mitsuyo Hashida, Noriko Nagata, and Haruhiro Katayose

This paper introduces jPop-E (java-based PolyPhrase Ensemble), an assistant system for the Pop-E performance rendering system. Using this assistant system, MIDI data including expressive tempo changes or velocity control can be created based on the user's musical intention. Pop-E (PolyPhrase Ensemble) is one of the few machine systems devoted to creating expressive musical performances that can deal with the structure of polyphonic music and the user's interpretation of the music. A well-designed graphical user interfaces is required to make full use of the potential ability of Pop-E. In this paper, we discuss the necessary elements of the user interface for Pop-E, and describe the implemented system, jPop-E.