

Visual Conductor

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A "live" conductor directs a complex electronic orchestra with natural expressions of hands and baton. No sensors or wires impede the conductor's movements, which are sensed with video cameras. The system detects beat events and gestures related to rhythm patterns and dynamics, and uses this information to control the tempo and volume. Participants in this interactive display conduct a large live-sounding orchestra. For ballet segments, the experience is enhanced by an animated dancer whose movements are synchronized to the music.

Dancing to Visual Conductor's beat.



Visual Conductor with Virtual Orchestra

