Daniel Bisig and Tatsuo Unemi

Paper: Swarms on Stage - Swarm Simulations for Dance Performance

Abstract:

Simulations of swarm behavior have been employed as a generative processes in many musical and artistic realizations. Despite this popularity, the application of swarm simulations as a visual and interactive component for stage performances seems to be very rare. This paper tries to show that swarm simulations can be employed as flexible and fascinating choreographic elements for dance performance. In particular, a swarm's strong spatial presence and it's behavioral flexibility provide a wide range of choreographic possibilities that accentuate or complement the human dancers' activities. This paper places a particular focus on the presentation of several examples of swarm based stage effects that have been realized as collaboration between the authors and choreographers.



Topic: Swarm & Dance

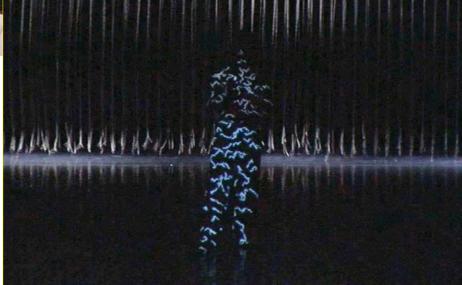
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Choreography "Gods and Dogs" by Jiří Kylián, Lucent Danstheater, The Hague, Netherlands

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Keywords:

swarm simulation, dance performance