

Study of Dance Entertainment Using Robots

Kuniya Shinozaki, Akitsugu Iwatani, Tomoyo Amatani, Tomohiro Nakayama, Ryohei Nakatsu

Abstract: Dance is one of the entertainments where the physical movement is the key factor. On the other hand, the main reason why robots are kind of boom is that they have physical body. Combining there two element, a concept of a dancing robot is proposed. First, various kind of factors concerning entertainment and dance is studied. Also we describe the functions required for robots to achieve dancing. Then we describe one of the dancing robot we have developed focusing its hardware functions and show several examples of dance performance we have developed.