

A Framework for Graceful Interaction: Applying Laban Effort Theory to Define Graceful Movement Quality

Wan Wan Norizan Wan Hashim¹
*Faculty of Cognitive sciences and Human
Development
Universiti Malaysia Sarawak
Sarawak, Malaysia
wannorizan@hotmail.com¹*

Nor Laila Md Noor², Wan Adilah Wan Adnan³
*Faculty of Computer and Mathematical Sciences
Universiti Teknologi MARA
Shah Alam, Malaysia
norlaila@tmsk.uitm.edu.my²,
adilah@tmsk.uitm.edu.my³*

Abstract

Direct manipulation which was introduced in the 1990s has enriched the technological and intellectual landscape of Human Computer Interaction (HCI) where interaction style progresses from linguistic to manual interaction via graphical objects. The engagement that results in the direct manipulation activity gives rise to a new philosophy of graceful interaction. However, ever since the concept was introduced, the HCI literature does not exhibit much related work on graceful interaction. In this paper, we present a design framework for graceful interaction through the use of Laban effort theory to formalize graceful interaction design. This framework presents a theoretical proposition and practical characteristics to describe the movement qualities of graceful interaction. The framework invites and challenges interaction designers for the exploration of graceful towards aesthetic interaction.

Keywords— *Human Computer Interaction, graceful interaction, aesthetic, Laban Effort Theory*

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