

Total energy concept display

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Abstract

Nowadays, the deployment of flaps and gear during approach, as the modulation of thrust, elevators and speed-brakes, are still performed using intuition and/or experience.

The goal of this work is to design a display that will transmit cues to the pilot(s) when to deploy flaps and gear to achieve continuous descent approaches with engines in near idle, from cruise altitude to a stabilisation altitude. This will help to reduce fuel consumption, time needed to do such approaches and noise emission. The display design should be conducted within the paradigm of Ecological Interface Design.

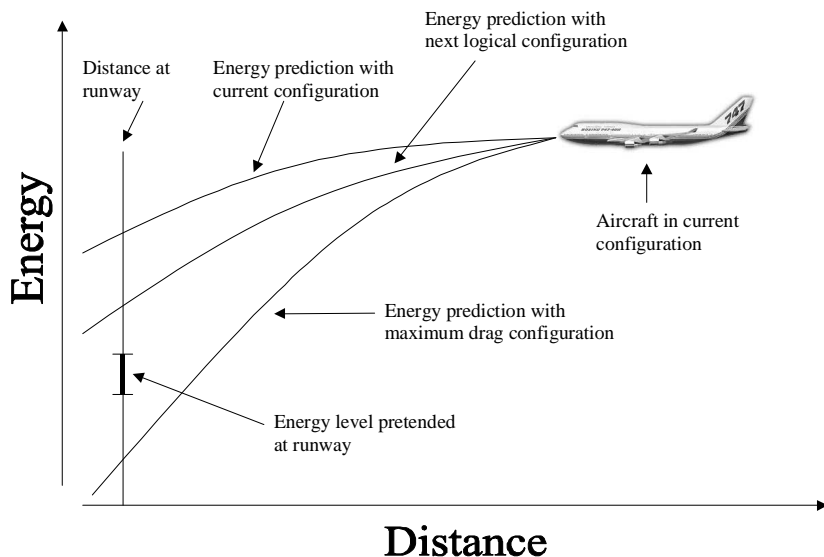


Figure 1. Total Energy Concept Display