Development and Current Status of Skull-Image Superimposition — Methodology and Instrumentation

ABSTRACT: This article presents a review of the literature and an evaluation on the development and application of skull-image superimposition technology — both instrumentation and methodology — contributed by a number of scholars since 1935. Along with a comparison of the methodologies involved in the two superimposition techniques — photographic and video — the author characterized the techniques in action and the recent advances in computer image superimposition processing technology. The major disadvantage of conventional approaches is its relying on subjective interpretation. Through painstaking comparison and analysis, computer image processing technology can make more conclusive identifications by direct testing and evaluating the various programmed indices.