

THE REDUCTION OF DRIVER'S VISUAL LOAD USING NEW CONTROL TECHNOLOGIES

Brigitte FAERBER¹, Berthold FAERBER¹ & Helmut SCHWEIKER²

University of the Federal Armed Forces Munich, Human Factors Institute, LRT 11,
Werner-Heisenberg-Weg 39, 8014 Neubiberg, FRG¹

University of Tuebingen, Psychological Institute, Friedrichstr. 21, 7400 Tuebingen, FRG²

Abstract

Three different controls, softkeys, cursor positioning and combination of hardkeys and cursor are evaluated. Form functionalities; radio, climate, route guidance and trip computer were tested in a driving simulator. The dependent measures; glance time, handling time, correct actions and acceptance prove the softkey solution as the best new control technology.



VISION IN VEHICLES - IV

A.G. GALE
EDITOR

I.D. BROWN
C.M. HASLEGRAVE
H.W. KRUYSSSE
S.P. TAYLOR
CO-EDITORS

NORTH-HOLLAND