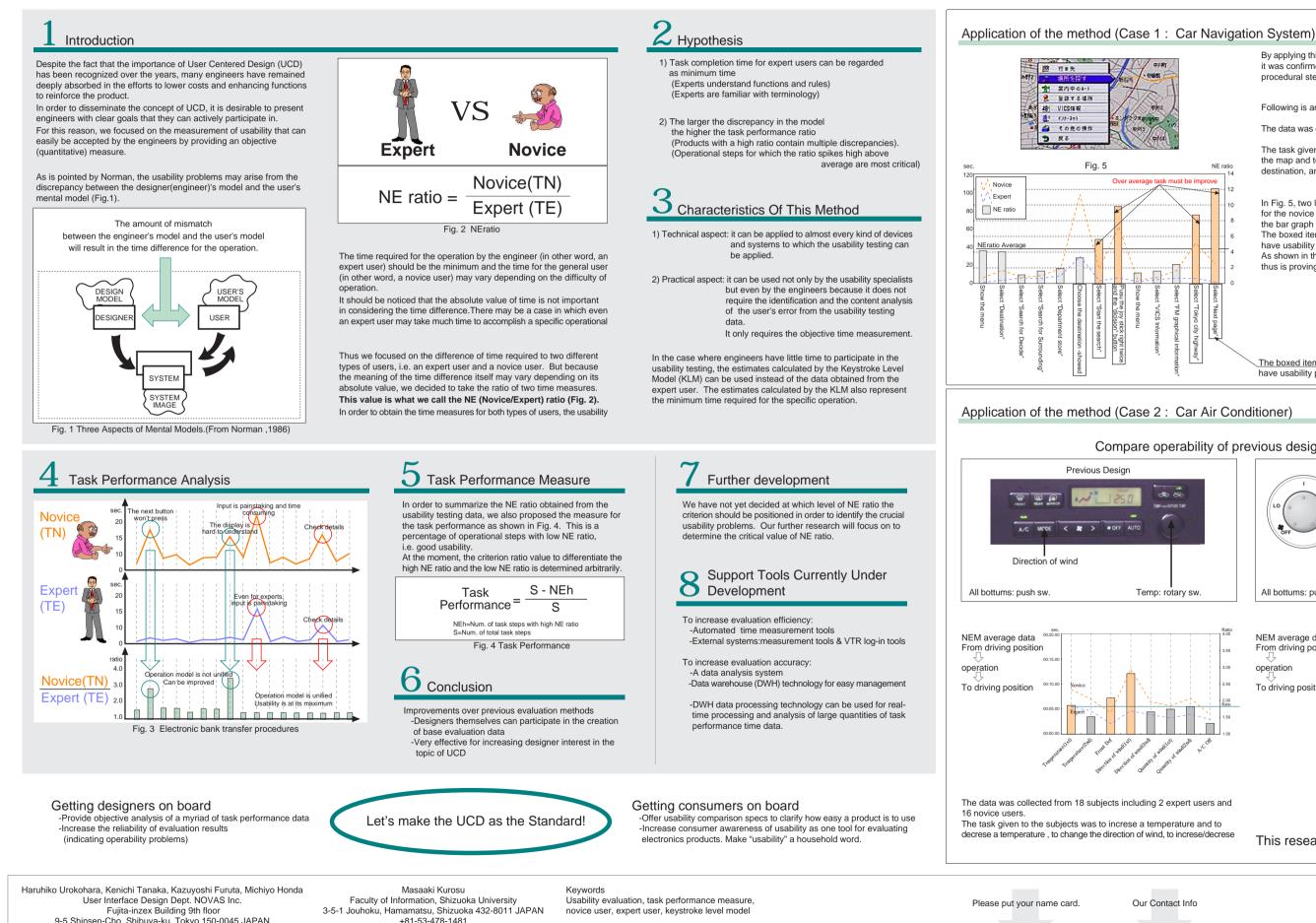
IP-45 NEM : Novice Expert ratio Method

PFD00343@niftv.ne.ip

+81-3-5489-7471

urokohara@novas.co.jp

A usability evaluation method to generate a new performance measure.



NOVAS Inc. Shizuoka University

NE ratio

. .

By applying this method to the evaluation of the car navigation system, it was confirmed that this method is guite useful in identifying the procedural step that has a usability problem.

Following is an overview of this evaluation method applied to the car

The data was collected from 34 subjects including 4 expert users and

The task given to the subjects was to locate a destination point on the map and to let the system determine the optimum route to the destination, and to let display the traffic condition on the highway.

In Fig. 5, two line-graphs show the average values of time required for the novice user (orange line) and the expert user (blue line) and the bar graph represents the NE ratio. The boxed items are the operational steps that were diagnosed to have usability problems by the usability specialists. As shown in this figure, most of the boxed items have high NE ratios,

thus is proving the validity of the NE method.



The boxed items are the operational steps that were diagnosed to have usability problems by the usability specialists.

New Design - × AUTO Temp: rotary sw All bottums: push sw. Temp: rotary sw NEM average data From driving position operation To driving position This research was supported by **DENSO** Our Brochure Our Contact Info

