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NOTES

1. Alternative techniques in which a single site might be used while varying the density of contactors in the tactile display, or in which the same display might be used on different body sites, address different

issues. These approaches test the utility of a device, rather than the pattern processing capability of the skin, evaluating the appropriateness of the match between the spatial resolution of a device and the spatial acuity of a site. In both of these cases, the confounding variable of spatial acuity would complicate an analysis of performance across sites.

2. Acuity is defined here as error of localization, because it best characterizes the perceptual demands of the present task. The pattern pairs differ from one another in the spatial locations of their cells, and as the level of communality increases, the discrimination judgment depends on the ability to localize positions of single cells or to tell whether different cell positions have been stimulated. Thus, the task is similar to that used to determine error of localization in which two taps occur and the observer must determine whether they were at the same or at two different locations. It should also be noted that the error of localization is typically measured with transient pressure stimuli, whereas the communality patterns were generated with vibrotactile stimulation.

3. The curves were analyzed with the COMPREG BASIC program developed by Wiggans et al. (1983). COMPREG consists of a set of statistical tests taken from Woodward (1972) that assess the differences among a number of regression lines on the basis of combined analyses of variance and covariance (regression) techniques. COMPREG was used for all comparisons among regression lines in the present paper.

(Manuscript received October 5, 1993;
revision accepted for publication December 5, 1994.)

Erratum

Cohen, M. M., Ebenholtz, S. M., & Linder, B. J. Effects of optical pitch on oculomotor control and the perception of target elevation. *Perception & Psychophysics*, 1995, **47** (4), 433-440. On page 438, in the Results and Discussion section, under "Measures of eye position and target position" (column 1), the first sentence should read as follows:

Mean settings of eye position and target position as a function of the orientation of the pitchbox are illustrated in Figure 5.