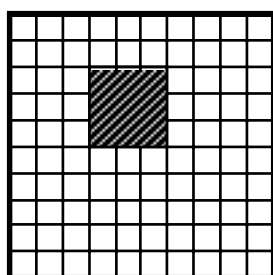
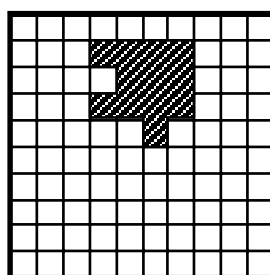


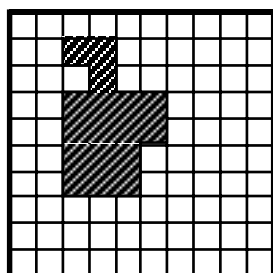
Fig.1 Sample distribution of gazing points



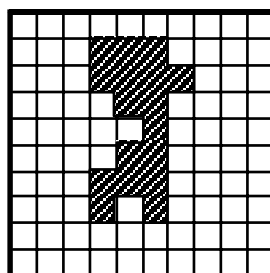
fruits



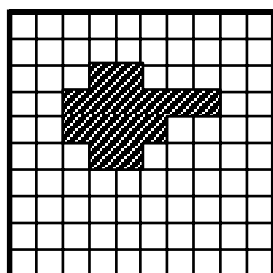
woman



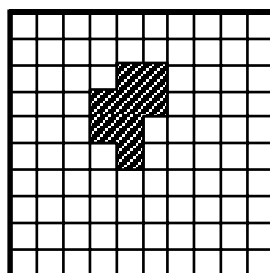
chart



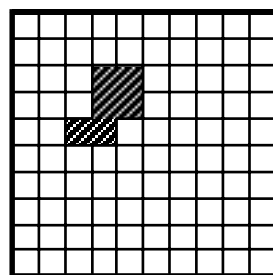
orchids



girl



fuji



portrait

Fig. 2 Gazing area

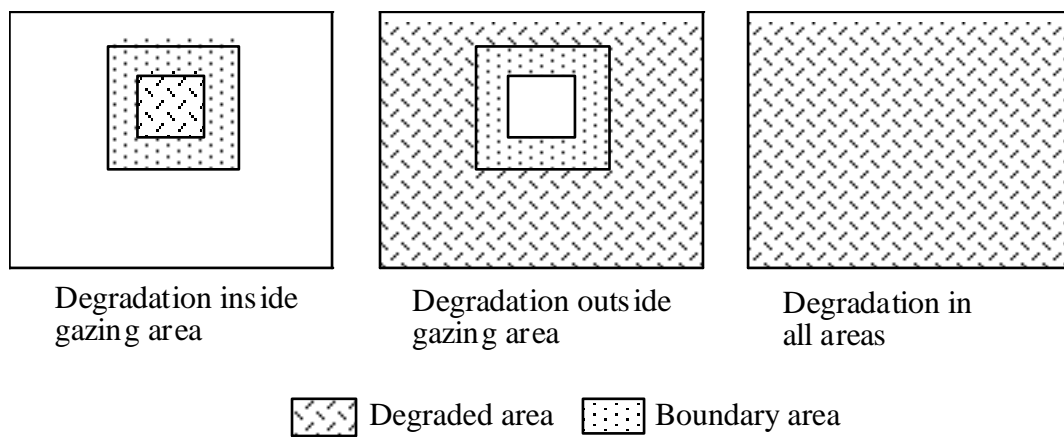


Fig. 3 Degradation area in the experiment

(a) Original image

(b) Image blurred
inside gazing area

(c) Image blurred
outside gazing area

(d) Image blurred
in all areas

Fig. 4 Original image and blurred images used in the experiment

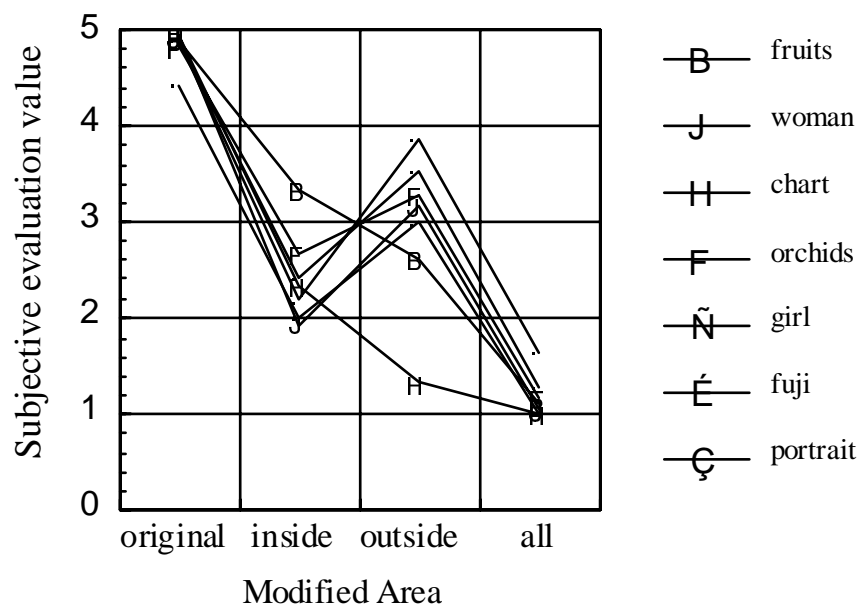


Fig. 5 Result of subjective evaluation (blurring)

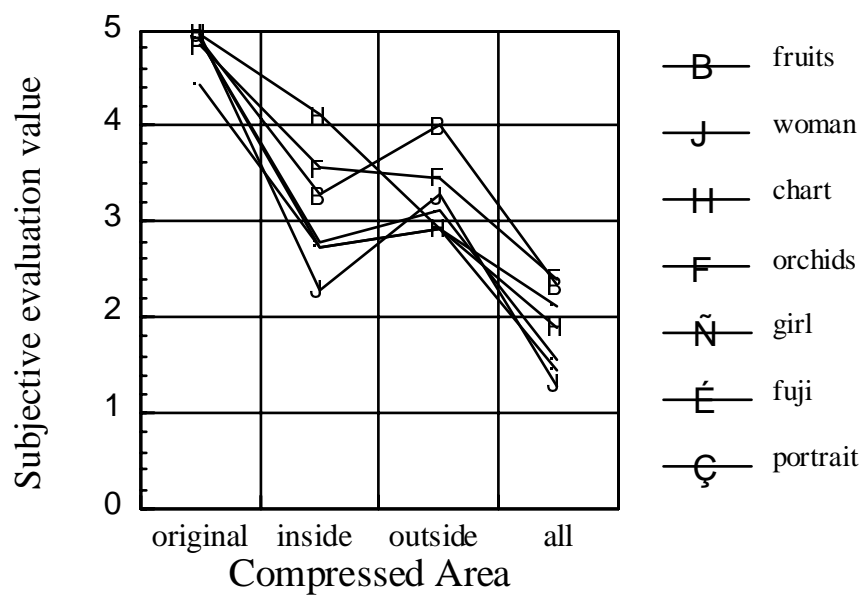


Fig. 6 Result of subjective evaluation (compression)

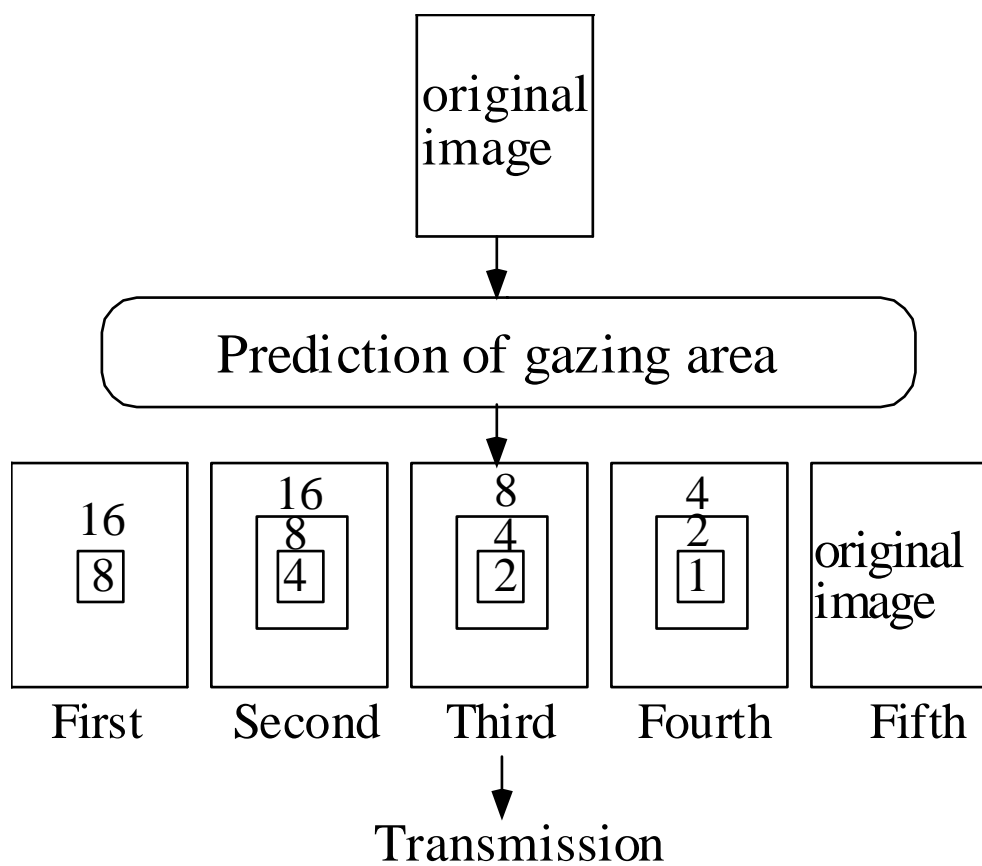


Fig. 7 Fixation based progressive image transmission

Table 1 Averaged searched stages in the experiment

	Conventional method	Proposed method
6th image	10.7	7.7
14th image	38.4	27.6