Presence-absence discrimination training on a line-length dimension.

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AB Trained 3 pigeons to discriminate the presence (S+) of a horizontal line with vertical lines on each end from its absence (S-). The only effect of discrimination training was to steepen postdiscrimination generalizations gradients. 3 other Ss were trained on the same discrimination except the S+ had no end lines. Postdiscrimination generalization gradients for these Ss become much flatter and indicate an area shift, if not a peak shift. It is concluded that the total area of the figure created by the S+ with end lines was the stimulus dimension that acquired stimulus control, and not simply the line-length dimension.