Effects of Severe Signal Degradation on Ear Detection

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Motivation

S1: $w_e \times h_e = 110 \times 90$ pixels for 2m distance to camera
S2: $w_e \times h_e = 55 \times 45$ pixels for 4 m distance to camera
Evaluated our steps for noise and blur:
16 possible combinations

\[
E_i = \frac{2 \cdot |G_i \cap R_i|}{|G_i| + 1 + 1}
\]

\(G\) = Ground Truth
\(E\) = Result of detection
\(O\) = Overlap
Results

Evaluated our steps for noise and blur:
16 possible combinations

Looking forward to meeting you at poster board 2

\[
E_i = \frac{2 | G_i \cap E_i |}{| G_i | + | E_i |}
\]

\(G\) = Ground Truth
\(E\) = Result of detection
\(O\) = Overlap