## Example psychophysical trial



## One Adapt, Three Tests

## TEST

## \% CORRECT

 from 3 observers

TEST ABOVE
(60\%, 70\%) 99\%, 86\%, 88\%

TEST STRADDLE
57\%, 61\%, 53\%
(45\%, 55\%)
TEST BELOW
(30\%, 40\%)
99\%, 96\%, 91\%

Graham \&Wolfson, Figure 2

3 adapt contrasts 35\%, 50\%, and 65\%


Graham \& Wolfson, Figure 3


Graham \& Wolfson, Figure 4

## A possible comparison process

 Comparison level reset by recent experienced contrastOutput of process


Input to process = Some response reflecting local contrast (e.g. contrast of Gabor patch in these patterns)

Graham \& Wolfson, Figure 5



3 EXAMPLE TEST PATTERNS (Contrast Diff = 10\%)


$$
\begin{array}{cccc}
\begin{array}{c}
10 \% \\
(5 \%, 15 \%)
\end{array} & \begin{array}{c}
50 \% \\
(45 \%, 55 \%)
\end{array} & \begin{array}{c}
90 \% \\
(85 \%, 95 \%)
\end{array} & \begin{array}{c}
\text { Av. Test Contrasts } \\
2 \text { Test Contrasts }
\end{array} \\
\frac{15}{5}=3 & \frac{55}{45}=1.2 & \frac{95}{85}=1.1 & \frac{I+\Delta I}{I}
\end{array}
$$

Graham \& Wolfson, Figure 6


Graham \& Wolfson, Figure 7


Graham \& Wolfson, Figure 8

