

<u>trials</u>	<u>signal</u>	<u>Σg</u>	<u>Σg^2</u>	<u>Σg^2</u>	<u>Σg^2</u>	<u>\bar{g}</u>	<u>$\frac{\Sigma g^2}{n}$</u>
n	s	$n \cdot s$	$n \cdot g^2$	$\sqrt{n} \cdot g$	s	g / \sqrt{n}	$s \sqrt{n} / g$

hits and misses

p_n	s	$p_n s$	$p_n g^2$	$\sqrt{p_n} g$	s	$g / \sqrt{p_n}$	$s \sqrt{p_n} / g$
$(1-p)n$	s	$(1-p)ns$	$(1-p)ng^2$	$\sqrt{1-p}ng$	s	$g / \sqrt{1-p}n$	$s \sqrt{1-p}n / g$

hits and misses summed.

p_n	s	$2s$	$\frac{g^2}{p_n} + \frac{g^2}{(1-p)n}$	$\frac{g}{\sqrt{1-p}p_n}$	s	$\frac{g}{2\sqrt{1-p}p_n}$	$2s \frac{\sqrt{np(1-p)}}{g}$
$(1-p)n$	s						

$$\frac{(1-p)g^2 + pg^2}{(1-p)p_n (1-p)p_n}$$

$$\frac{(1-p)g^2 + pg^2}{(1-p)p_n}$$

$$\frac{g^2(1-p+p)}{(1-p)p_n}$$

$$\frac{g^2}{(1-p)p_n}$$