

# Prominent T<sub>E</sub>X<sub>MACS</sub> equations features

Unsurpassed typesetting :

$$\frac{1}{1+\frac{1}{1+\frac{2}{1+\frac{3}{1+\frac{4}{1+\frac{5}{1+\frac{6}{1+\frac{7}{1+\ddots}}}}}}}}=\sqrt{\frac{\pi e}{2}}\left(1-\operatorname{erf}\frac{1}{\sqrt{2}}\right)=\sqrt{e}\left\{\sqrt{\frac{\pi}{2}}-\sum_{n=0}^{\infty}\frac{(-1)^n}{2^n n! (2n+1)}\right\}$$

Many fonts available :

$$\frac{1}{\pi}=\frac{2\sqrt{2}}{9801}\sum_{k=0}^{\infty}\frac{(4k)!(1103+26390k)}{(k!)^4396^{4k}}$$

Automatic baseline alignment  $n(t)=\frac{s(t)}{1-\int_0^1s(t)dt}$  in writer.

Colored equations

$$\textcolor{violet}{S}_{l_0l_0}(t,\textcolor{violet}{V})\;=\;4\pi\frac{G_K}{\hbar}\Bigg((1-\mathcal{T}_0)\mathcal{T}_0\textcolor{blue}{e}^{\textcolor{blue}{J}(\textcolor{blue}{t})}\textcolor{red}{\gamma}(\textcolor{red}{t})\cos\frac{\textcolor{green}{e}\textcolor{green}{V}\textcolor{green}{t}}{\hbar}+\mathcal{T}_0^2\textcolor{red}{\gamma}(\textcolor{red}{t})\Bigg)$$

$$\frac{dE_0^*}{d\textcolor{brown}{E}_0}=\frac{C_{\text{gtot}}-\textcolor{violet}{C}_3(\textcolor{brown}{E}_0,\textcolor{brown}{Z}=0)}{C_{\text{gtot}}-\textcolor{violet}{C}_3(E_0^*,\textcolor{brown}{Z})}$$