

LaTeX:

$$x_k = \frac{1}{f_s} \int_{s=-f_s/2}^{f_s/2} X(s) \exp\left(\frac{2\pi i s k}{f_s}\right) \mathrm{d}s$$

Mathtype 4:

$$seq_k = \frac{1}{f_s} \int_{s=-\frac{f_s}{2}}^{\frac{f_s}{2}} f(s) \exp\left(\frac{2\pi i s k}{f_s}\right) ds$$