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Text Math Drawing Plot Animation

Maple Input Counter New 12

> L:=1;

$$L := 1 \quad (1)$$

> f:=x->piecewise(x < L/2, 0, x < L, 1, 0);

$$f := x \rightarrow \text{piecewise}\left(x < \frac{1}{2}L, 0, x < L, 1, 0\right) \quad (2)$$

> convert(f(x), piecewise, x);

$$\begin{cases} 0 & x < \frac{1}{2} \\ 1 & x < 1 \\ 0 & 1 \leq x \end{cases} \quad (3)$$

> A:=n->(2/L)*int(f(x)*cos(n*Pi*x/L), x=0..L);

$$2 \left(\int_0^L f(x) \cos\left(\frac{n\pi x}{L}\right) dx \right)$$



EN

12:07 PM