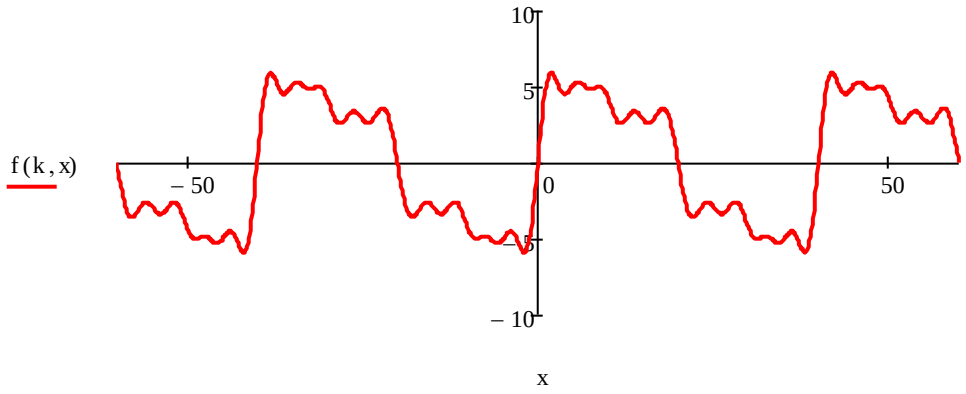
$k := 10$

$$f(k,x) := \sum_{n=1}^{k} \left[\left(\frac{-2}{\pi \cdot n} \right) \cdot \left(-5 + 2\cos\left(\frac{n \cdot \pi}{2} \right) + 3 \cdot \cos(\pi \cdot n) \right) \cdot \sin\left(\frac{n \cdot \pi \, x}{20} \right) \right]$$



$k := 50$

$$f(k,x) := \sum_{n=1}^{k} \left[\left(\frac{-2}{\pi \cdot n} \right) \cdot \left(-5 + 2\cos\left(\frac{n \cdot \pi}{2} \right) + 3 \cdot \cos(\pi \cdot n) \right) \cdot \sin\left(\frac{n \cdot \pi \, x}{20} \right) \right]$$