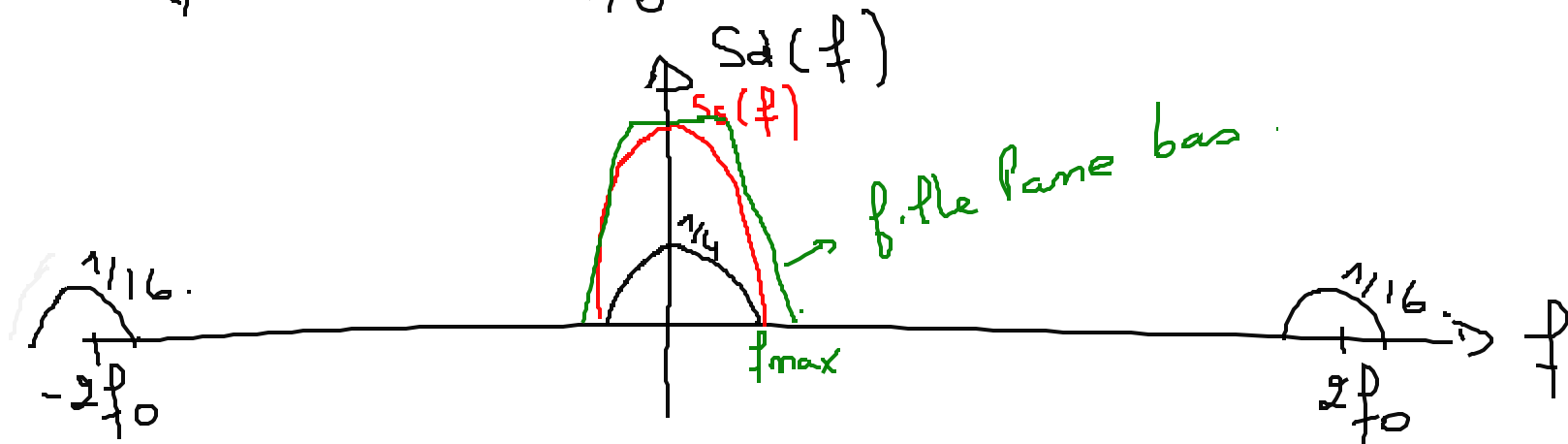


$$\begin{aligned}
 S_d(f) &= \text{TF}(C_d(z)) \\
 &= \text{TF}\left(\frac{1}{4} C_s(z) + \frac{1}{8} C_s(z) \cos 4\pi f_0 z\right) \\
 &= \frac{1}{4} S_s(f) + \frac{1}{8} S_s(f) * \text{TF}(\cos 4\pi f_0 z) \\
 &= \frac{1}{4} S_s(f) + \frac{1}{16} S_s(f - 2f_0) + \frac{1}{16} S_s(f + 2f_0)
 \end{aligned}$$



Pour retrouver $s(t) = 0$ f. the same base
has $f_c = f_{max}$.