$$\begin{array}{c} \text{ o Co-lev lo } D_{N} \\ \text{ lim } \left[ \frac{e^{(-0.5-j\,\omega_{0}n_{0.5})} \, \left( -e.5-\omega_{0}n_{j} \right) \, \left( -e.5j\,\omega_{0}n_{0} \right) }{ \left( j\,\omega_{0}n_{0} \right) } \right] = 0.1967 \\ \text{ lim } \left[ \frac{e^{(-0.5-j\,\omega_{0}n_{0.5})} \, \left( -e.5-\omega_{0}n_{j} \right) \, \left( 0.5\left( -j\,\omega_{0}n_{0}-1 \right) \right) }{ \left( j\,\omega_{0}n_{0}+1 \right) } \right] + 0.1967 = 0.1967 \\ \text{ lim } \left[ \frac{e^{(-0.5-j\,\omega_{0}n_{0})} \, \left( -e.5-\omega_{0}n_{j} \right) \, \left( -e.5-\omega_{0}n_{j} \right) \, \left( -e.5-\omega_{0}n_{j} \right) }{ \left( j\,\omega_{0}n_{0}+1 \right) } \right] + 0.1967 = 0.1967 \\ \text{ lim } \left[ \frac{e^{(-0.5-2\,m_{j})} \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) }{ \left( 2\,m_{j} \right) } \right] \\ \text{ lim } \left[ \frac{e^{(-0.5-2\,m_{j})} \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) }{ \left( 2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) \, \left( -e.5-2\,m_{j} \right) } \right] \\ \text{ lim } \left[ \frac{e^{(-0.5-2\,m_{j})} \, \left( -e.5-2\,m_{j} \right) \, \left( -e$$

$$\left[ \frac{e^{(-0.5.2\pi j)} \left( -2\pi j - 0.5 \right) \left( 0.5 \left( -j \, 2\pi - 1 \right) \right)}{+ e^{(-1.5.2\pi j + 1)}} \right] = -0.0794 - 0.0126j$$

Será necessário 14z de banda