$$Sub-band\,central\,freq = \begin{cases} \sqrt{(high\,cutoff\,frequency * low\,cutoff\,frequency)} \quad, & if\ \frac{high\,cutoff\,frequency}{low\,cutoff\,frequency} \geq 1.1 \\ \frac{1}{2}(high\,cutoff\,frequency + low\,cutoff\,frequency), & if\ \frac{igh\,cutoff\,frequency}{low\,cutoff\,frequency} < 1.1 \end{cases}$$