1. **Butterworth filter**

Graphical user interface

Description automatically generated

Figure 1. Butterworth filter and specs. Order: **12**.

Graphical user interface

Description automatically generated

Figure 2. Butterworth filter zoomed-in at passband. Magnitude within abs(0.5) dB at 0.25Hz

Graphical user interface

Description automatically generated

Figure 3. Butterworth filter zoomed-in at stop band. Magnitude 60dB at 0.35Hz.

Text

Description automatically generated with medium confidence

Figure 4. Coefficients bwB for numerator, bwA for denominator.

1. **Elliptic filter**

Graphical user interface

Description automatically generated

Figure 5. Elliptic filter and specs. Order: **5**.

Graphical user interface

Description automatically generated

Figure 6. Elliptic filter zoomed-in at passband. Magnitude within abs(0.5) dB form 0Hz - 0.25Hz

1. **Lowpass FIR**

Graphical user interface

Description automatically generated

Figure 7. Lowpass FIR filter. Order **21**.

Graphical user interface

Description automatically generated

Figure 8. Lowpass FIR filter passband zoomed-in.

Graphical user interface

Description automatically generated

Figure 9. Lowpasss FIR filter at stopband zoomed-in.

**Need coefficients/………..**

**Chebyshev Type 1 (IIR)**

|  |  |
| --- | --- |
| Graphical user interface  Description automatically generated  Figure 10. Chebyshev Type 1 passband @0.2Hz | Figure 11. Chebyshev Type 1 passband @0.3Hz |
| Figure 12. Chebyshev Type1 stopband @0.1Hz |  |