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(%i2) VINIT : 1;
(%o2) 1

(%i3) R : 2.0;
(%o3) 2.0

(%i4) L : 0.1;
(%o4) 0.1

(%i5) C : 0.5;
(%o5) 0.5

(%i6) alpha : 1/(2*R*C);
(%o6) 0.5

(%i7) wo: sqrt(1/(L*C));
(%o7) 4.47213595499958

(%i8) wd : sqrt(wo^2+alpha^2);
(%o8) 4.5

(%i9) s1 : -1*alpha+%i*wd;
(%o9) 4.5 i0.5

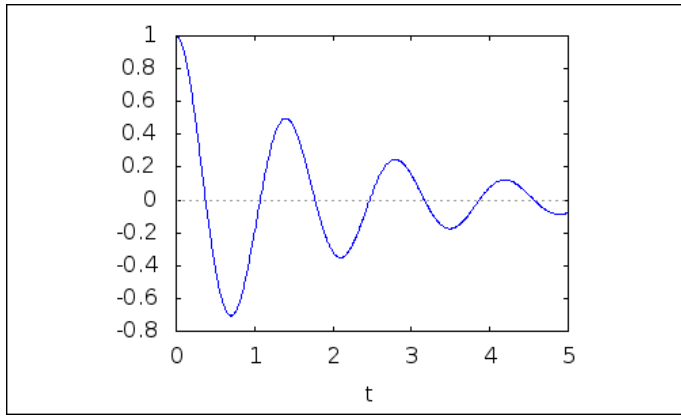
(%i10) s2 : -1*alpha-%i*wd;
(%o10) 4.5 i0.5

(%i11) A1 : VINIT/(1-(s1/s2));
(%o11)  $\frac{1}{1 \frac{4.5 i0.5}{4.5 i0.5}}$ 

(%i12) A2 : VINIT*(1-1/(1-(s1/s2)));
(%o12)  $1 \frac{1}{1 \frac{4.5 i0.5}{4.5 i0.5}}$ 

(%i13) wxplot2d(A1*exp(s1*t)+A2*exp(s2*t), [t,0,5]);

```



(%t13)

(%o13)