

Signal envelope

The function, envelope returns the upper envelope of the input sequence, as the magnitude. If x is a matrix, then the envelope operates independently over each and every column of x . In this example, we generate the test signal as a suppressed cosine.

```
Dt:=curve2d(x , -10 , 10 , 10001)   Time axis
dt:=col2vec(Dt , 0)
a:=0.2   Damping factor
signal1:=-0.75+mul(sin(pi*2 dt) , exp(-a dt))   Dumped sinusoidal with DC bias
gs:=join mat cols(dt , signal1)   Graph of the signal
genv:=join mat cols(dt , envelopetop(signal1))   Graph of the top envelope of signal
gloenv:=join mat cols(dt , envelopebottom(signal1))   Graph of the low envelope
```

