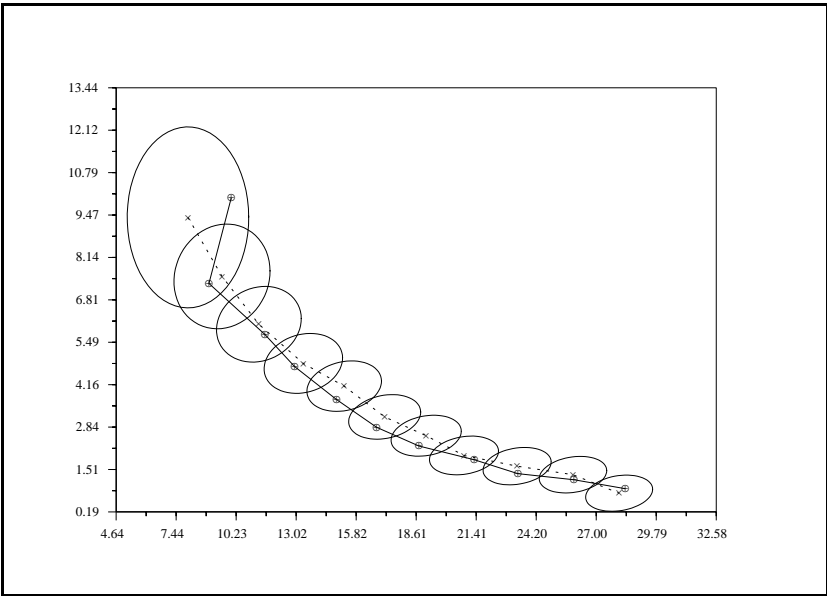
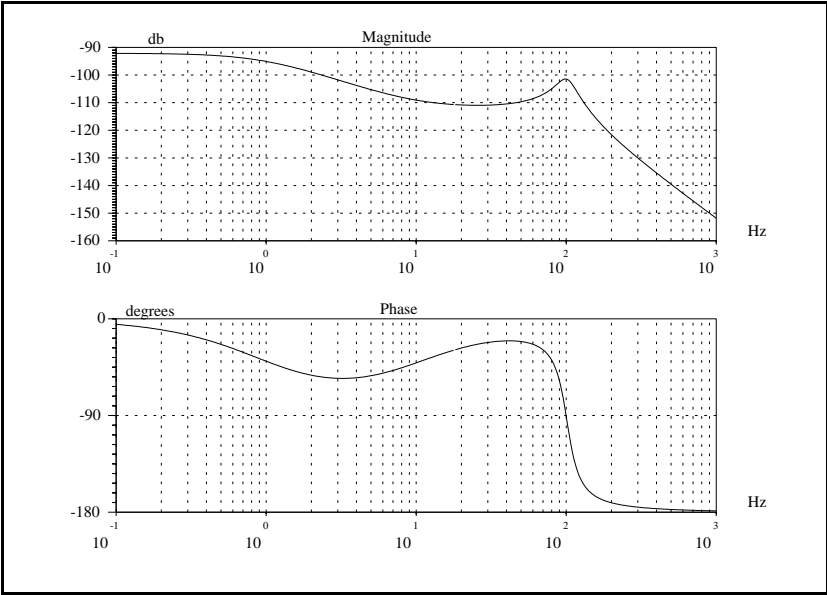


**Signal
Processing
With
Scilab**

Scilab Group



```
-->a=-2*%pi;b=1;c=18*%pi;d=1;
```

```
-->s1=syslin('c',a,b,c,d);
```

```
-->bode(s1,.1,100);
```

```
-->s=poly(0,'s');
```

```
-->S1=s+2*%pi*(15+100*%i);
```

```
-->S2=s+2*%pi*(15-100*%i);
```

```
-->h1=1/real(S1*S2)
```

h1 =

$$\frac{1}{403666.82 + 188.49556s + s^2}$$

```
-->h1=syslin('c',h1);
```

```
-->bode(h1,10,1000,.01);
```

```
-->h2=ss2tf(s1);
```

```
-->bode(h1*h2,.1,1000,.01);
```

