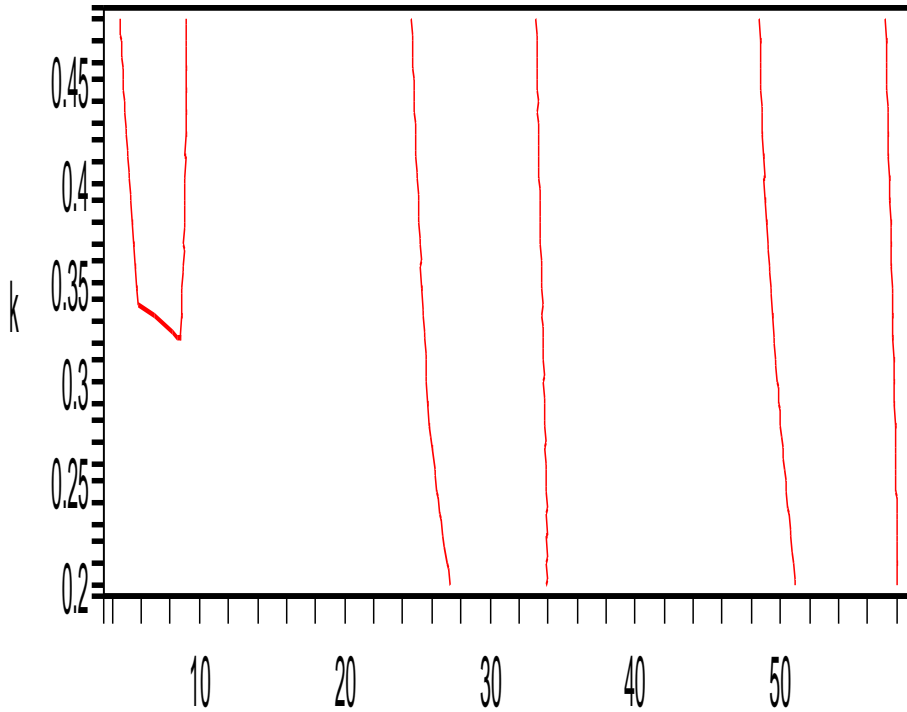```
> with(plots): unassign('t','u0','k','omega'):
> uss:=35-(14*k/(k^2+omega^2))*(k*cos(omega*(t-3))+omega*sin(omega*(t-3))):
> uss0:=subs(t=0,uss):
> U:=unapply((u0-uss0)*exp(-k*t)+uss,(t,u0,k,omega)):
> implicitplot(U(t,76,k,Pi/12)=30,t=0..72,k=0.2..0.48,axes=boxed);
```

```
>  # The implicit plot is a bread slice at u=30 of the 3D plot.  See below.
>  # The last plot orients the 3D figure to match the implicit plot.
>  # This can be done with mouse controls in maple, then edit the plot3d
>  # command to document the result.
>  plot3d(U(t,76,k,Pi/12),30,t=0..72,k=0.2..0.48,
>  axes=framed,orientation=[-90,-30],style=patchnogrid,shading=zhue);
```

Plot: 2250mapleL2plot3d2.eps