*In[16]:=*

```
Omega[k_] := Sqrt[k^2 - k^4]
```

*In[17]:=*

```
fn[k_] := ( 1. - k x)/Omega[k]
```

*In[18]:=*

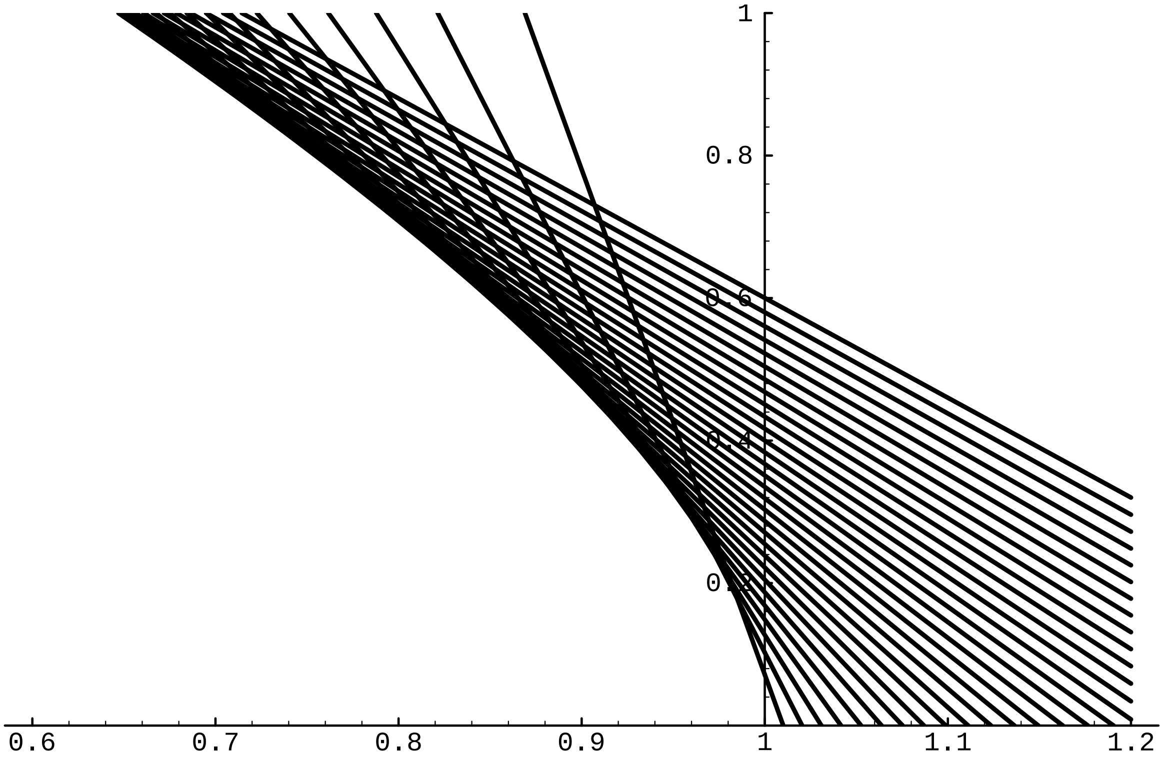
```
ks = Table[ j, {j, .7, .99, .01}]
```

*Out[18]=*

```
{0.7, 0.71, 0.72, 0.73, 0.74, 0.75, 0.76, 0.77, 0.78, 0.79,
  0.8, 0.81, 0.82, 0.83, 0.84, 0.85, 0.86, 0.87, 0.88, 0.89,
  0.9, 0.91, 0.92, 0.93, 0.94, 0.95, 0.96, 0.97, 0.98, 0.99}
```

*In[19]:=*

```
Plot[Evaluate[fn[ks]], {x, .6, 1.2}, PlotRange->{0,1}]
```




*Out[19]=*

```
-Graphics-
```

*In[20]:=*

*In[20]:=*

```
fn[.1]
```

*Out[20]=*

```
10.0504 (1. - 0.1 x)
```