

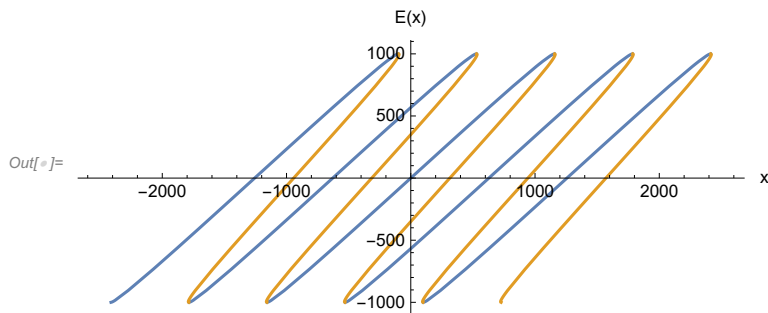
Ana Santos 84364

$A > 1/k$

$k = 0.01;$

$A = 1000;$

```
In[ ]:= ParametricPlot[ {Table[ {Ef + 1/k * (2 * i * Pi + ArcSin[Ef/A]), Ef}, {i, -2, 2}],  
  gráfico paramétrico  tabela  n... arco seno  
  Table[ {Ef + 1/k * ((2 * i + 1) * Pi - ArcSin[Ef/A]), Ef}, {i, -2, 2}],  
  tabela  n... arco seno  
  {Ef, -4000, 4000}, PlotRange -> All, AxesLabel -> {"x", "E(x)"} ]  
  intervalo do g... tudo  legenda dos eixos  número E
```



$A < 1/k$

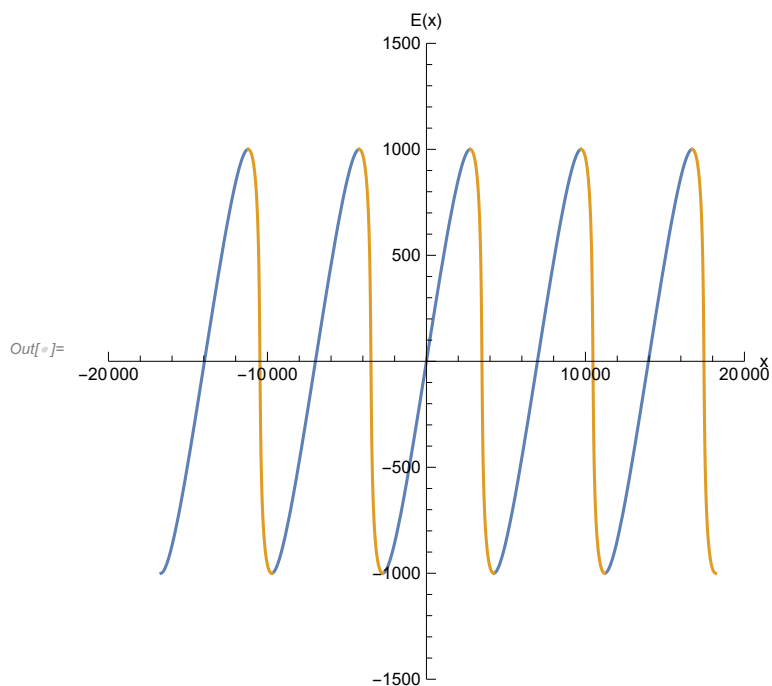
$k = 0.0009;$

$A = 1000;$

```

In[ ]:= ParametricPlot[ {Table[ {Ef + 1/k * (2 * i * Pi + ArcSin[Ef/A]), Ef}, {i, -2, 2}],
  gráfico paramétrico  [tabla  [n... arco seno
    Table[ {Ef + 1/k * ((2 * i + 1) * Pi - ArcSin[Ef/A]), Ef}, {i, -2, 2}],
      [tabla  [n... arco seno
    {Ef, -4000, 4000}, PlotRange -> {{-20000, 20000}, {-1500, 1500}},
      [intervalo do gráfico
    AxesLabel -> {"x", "E(x)"}, AspectRatio -> 1]
      [número E [cociente de aspecto

```



$A \ll 1/k$

```

In[ ]:=
k = 0.0000001;
A = 1000;

```

```

In[ ]:= ParametricPlot[ {Table[ {Ef + 1/k * (2 * i * Pi + ArcSin[Ef/A]), Ef}, {i, -2, 2}],
  gráfico paramétrico  tabela  n... arco seno
    Table[ {Ef + 1/k * ((2 * i + 1) * Pi - ArcSin[Ef/A]), Ef}, {i, -2, 2}],
  tabela  n... arco seno
    {Ef, -1000, 1000}, PlotRange -> {{-1.5 * 10^8, 1.5 * 10^8}, {-2000, 2000}},
  intervalo do gráfico
    AxesLabel -> {"x", "E(x)"}, AspectRatio -> 1]
  legenda dos eixos  número E  quociente de aspecto

```

