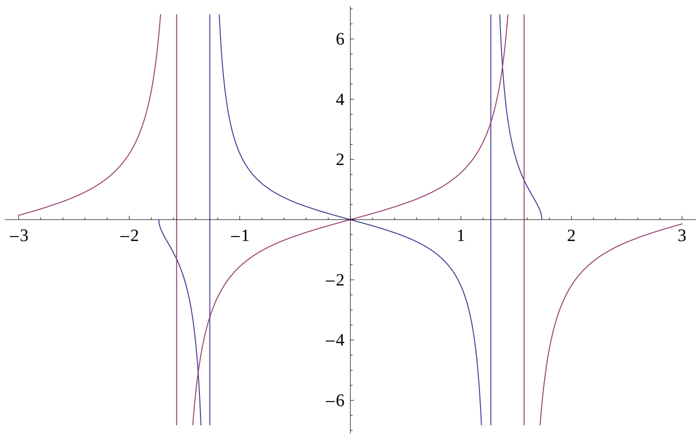
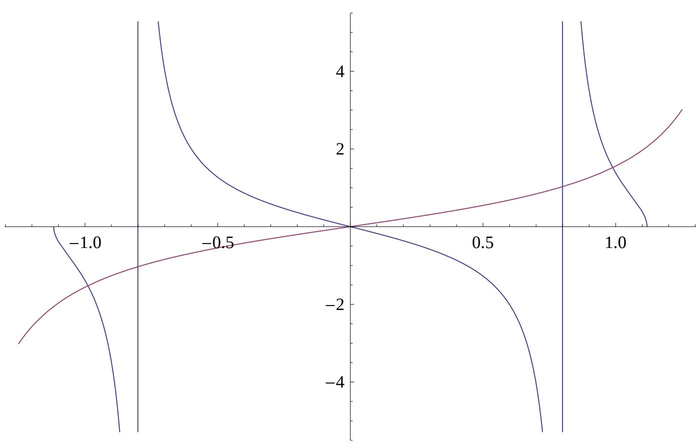
In[51]:=
```
(*Oleksii Lubynets, 3-HEP*)
Γ := Sqrt[1 - (Sqrt[1 + ϵ^2 * ξ^2] - v0) ^2] *
   (1 + Sqrt[1 + ϵ^2 * ξ^2]) / (ϵ * ξ * (1 + Sqrt[1 + ϵ^2 * ξ^2] - v0))
f := 2 Γ / (1 - Γ^2)

v0 := 1
ϵ := 1
Plot[{f, Tan[ξ]}, {ξ, - (2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[55]=



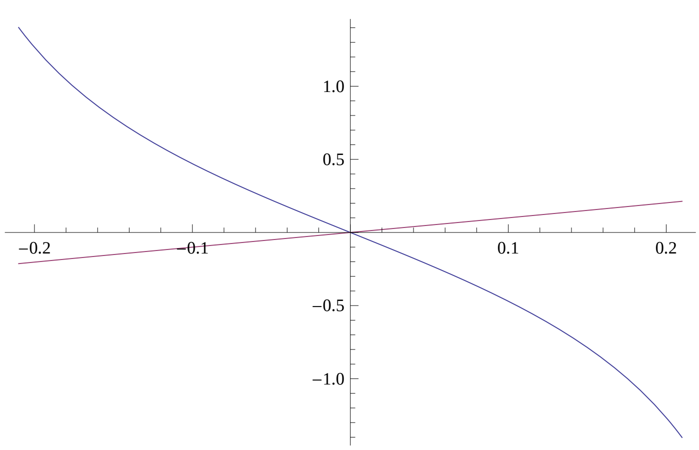
In[56]:=
```
v0 := 0.5
ϵ := 1
Plot[{f, Tan[ξ]}, {ξ, - (2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[58]=



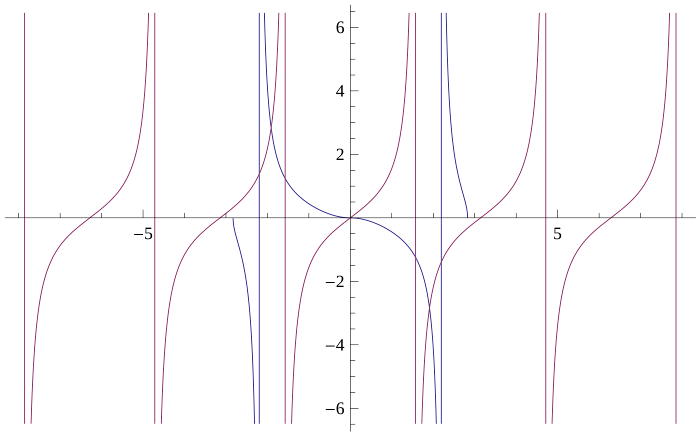
In[65]:=
```
v0 := 0.1
ϵ := 1
Plot[{f, Tan[ξ]}, {ξ, - (2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[67]=



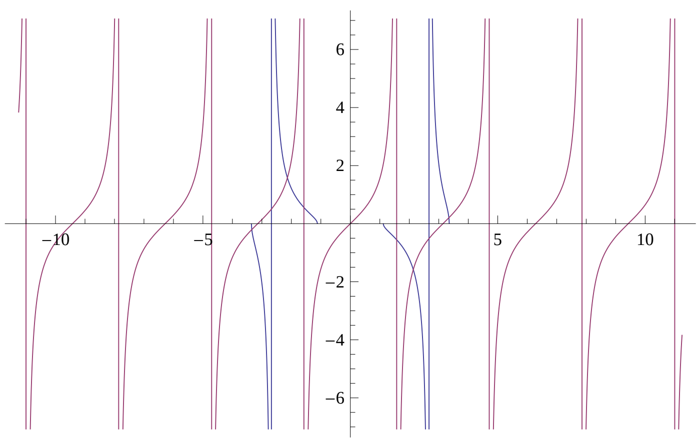
In[71]:=
```
v0 := 2
ϵ := 1
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[73]=



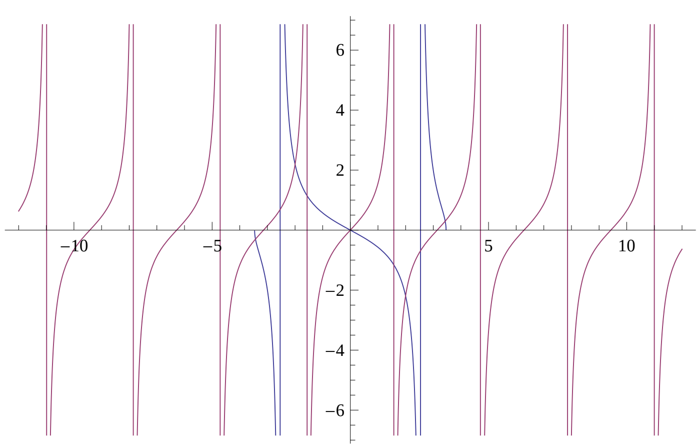

```
v0 := 2.5(*V0>2mc^2*)
ϵ := 1
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[91]=

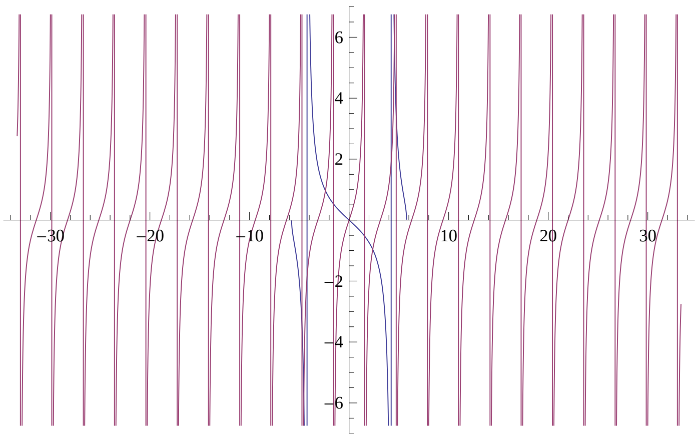


In[74]:=
```
v0 := 1
ϵ := 0.5
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

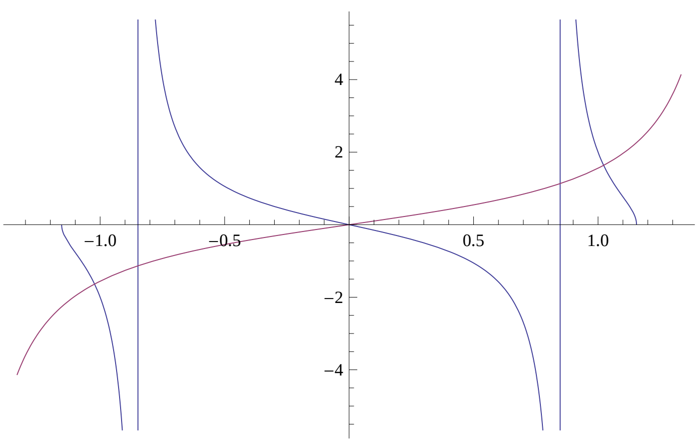
Out[76]=



In[80]:=
```
v0 := 1
ϵ := 0.3
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[82]=


In[83]:=
```
v0 := 1
ϵ := 1.5
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[85]=


In[92]:=
```
v0 := 1
ϵ := 10
Plot[{f, Tan[ξ]}, {ξ, -(2 v0 / ϵ^2 + v0^2 / ϵ^2), (2 v0 / ϵ^2 + v0^2 / ϵ^2)}]
```

Out[94]=