Example Code:

```
ClearAll["Global'*"]
k0 = 1; c = 1; d = 0; m0 = 10;
Psi[x_, t_] := Sum[((-1)^m/(2 m + 1)) * Cos[((2 m + 1) * k0) * x - (c * ((2 m + 1) * k0) + d * ((2 m + 1) * k0)^3) * t], {m, 0, m0}]
Fig1 = Plot[Psi[x, 0], {x, -5, 5}, PlotStyle → Blue];
Fig2 = Plot[Psi[x, Pi], {x, -5, 5}, PlotStyle → Black];
Fig3 = Plot[Psi[x, 2 Pi], {x, -5, 5}, PlotStyle → {Red, Dashed}];
Show[Fig1, Fig2, Fig3]
```