>  **restart:**

> **with(plots);**

Warning, the name changecoords has been redefined



> **F:=u->(u\*u\*u)/3;**



> **U0:=x->x;**



>

> **A1:=implicitplot((u-U0(x-diff((u\*u\*u)/3,u)\*0.1)=0,x=-0.5..0.5,u=-1..1),style=line,color=red):**

**A2:=implicitplot((u-U0(x-diff((u\*u\*u)/3,u)\*0.2)=0,x=-0.5..0.5,u=-1..1),style=line,color=orange):**

**A3:=implicitplot((u-U0(x-diff((u\*u\*u)/3,u)\*0.3)=0,x=-0.5..0.5,u=-1..1),style=line,color=yellow):**

**A4:=implicitplot((u-U0(x-diff((u\*u\*u)/3,u)\*0.4)=0,x=-0.5..0.5,u=-1..1),style=line,color=green):**

**A5:=implicitplot((u-U0(x-diff((u\*u\*u)/3,u)\*0.5)=0,x=-0.5..0.5,u=-1..1),style=line,color=blue):**

> **display({A1,A2,A3,A4,A5});**



>

>