

```
--> Jaim271(x):=
((tanh((x-01)*20)+1)*(-tanh((x-05)*20)+1)/4)*(x-2)^2+
((tanh((x-06)*20)+1)*(-tanh((x-12)*20)+1)/4)*(-(x-9)^2+8))+
((tanh((x-13)*20)+1)*(-tanh((x-13.5)*20)+1)/4)*8)+
((tanh((x-15)*20)+1)*(-tanh((x-19)*20)+1)/4)*((x-17)^2+5))+
((tanh((x-21)*20)+1)*(-tanh((x-27.1)*20)+1)/4)*2)+
((tanh((x-21)*20)+1)*(-tanh((x-21.1)*20)+1)/4)*6)+
((tanh((x-24)*20)+1)*(-tanh((x-24.1)*20)+1)/4)*3)+
((tanh((x-27)*20)+1)*(-tanh((x-27.1)*20)+1)/4)*6);
```

(%o150) 
$$\text{Jaim271}(x) := \frac{(\tanh((x-27) \cdot 20) + 1) \cdot (1 - \tanh((x-27.1) \cdot 20)) \cdot 6}{4} + \frac{(\tanh((x-24) \cdot 20) + 1) \cdot (\tanh((x-13.5) \cdot 20) + 1) \cdot 8}{4} + \frac{(\tanh((x-15) \cdot 20) + 1) \cdot (\tanh((x-19) \cdot 20) + 1) \cdot 5}{4} + \frac{(\tanh((x-21) \cdot 20) + 1) \cdot (\tanh((x-27.1) \cdot 20) + 1) \cdot 2}{4} + \frac{(\tanh((x-21) \cdot 20) + 1) \cdot (\tanh((x-21.1) \cdot 20) + 1) \cdot 6}{4} + \frac{(\tanh((x-24) \cdot 20) + 1) \cdot (\tanh((x-24.1) \cdot 20) + 1) \cdot 3}{4} + \frac{(\tanh((x-27) \cdot 20) + 1) \cdot (\tanh((x-27.1) \cdot 20) + 1) \cdot 6}{4}$$

```
--> wxplot2d(Jaim271(x), [x,-1,37], [y,-1,20] )$
```

(%t151)

```
--> wxplot2d( [atan(x)/(%pi/2),tanh(x)], [x,-3,30], [y,-4,4] )$
```

(%t133)