$$\left(\frac{\sigma_2}{221\,z} - 20\right)^2 + \left(\frac{\sigma_3}{442\,z} - 15\right)^2 + \left(\frac{\sigma_1\,\sigma_2}{221\,z^2} + 10\right)^2 + \left(\frac{\sigma_1\,\sigma_3}{442\,z^2} + 5\right)^2$$
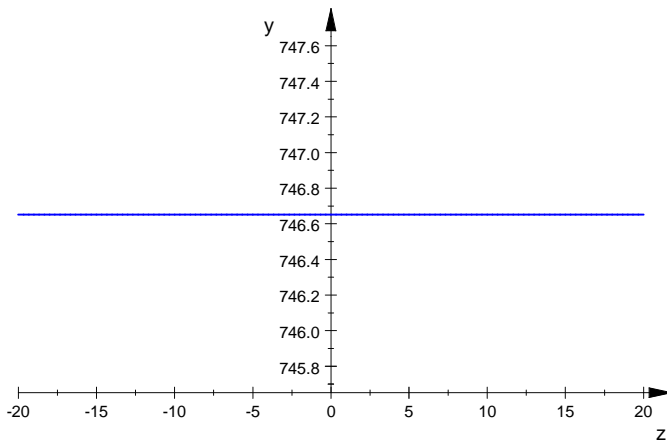
where

$$\sigma_1 = \frac{10\,z}{11} + \frac{\sqrt{221}\,z}{11}$$

$$\sigma_2 = 2210\,z - 155\,\sqrt{221}\,z$$

$$\sigma_3 = 3315\,z - 205\,\sqrt{221}\,z$$

```
plot(Z1,z=-20..20)
```



```
float(subs1|z=1)
```

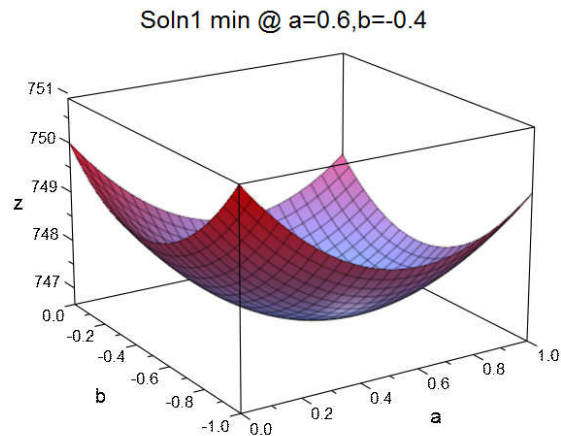$$[a = 0.6051038615,\ b = -0.4264283069,\ x = -2.260551704,\ y = 1.0]$$

```
use(plot)   // Load plotting routines
Warning: 'hull' already has a value, not exported. [use]
Warning: 'Integral' seems to be proteced; not exported. [use]
Warning: 'Pyramid' seems to be proteced; not exported. [use]
```

```
plotfunc3d(Z|[subs1[3],subs1[4]]|z=1,a=0..1,b=-1..0,Header="Soln1 min @ a=0.6,b=-0.4")
```



Soln1 min @ a=0.6,b=-0.4

```
plotfunc3d(Z|[subs1[1],subs1[2]]|z=1,x=-2.5..-2,y=0.8..1.2,Header="Soln1 min @ a=0.6,b=-0.4")
```