

Znázornění plochy a tečné roviny ???

```
> with(plots):
```

```
> f:=(x,y)->(1/2-x^2+y^2)*exp(1-x^2-y^2):
```

```
> P:=[1.25,0,f(1.25,0)]:
```

```
> Surface:=plot3d(f(x,y),x=-3..3,y=-3..3,style=patchnogrid,axes=frame,grid=[40,40]):
```

```
> Pt:=textplot3d([P[1],P[2],P[3],`O`],color=blue):
```

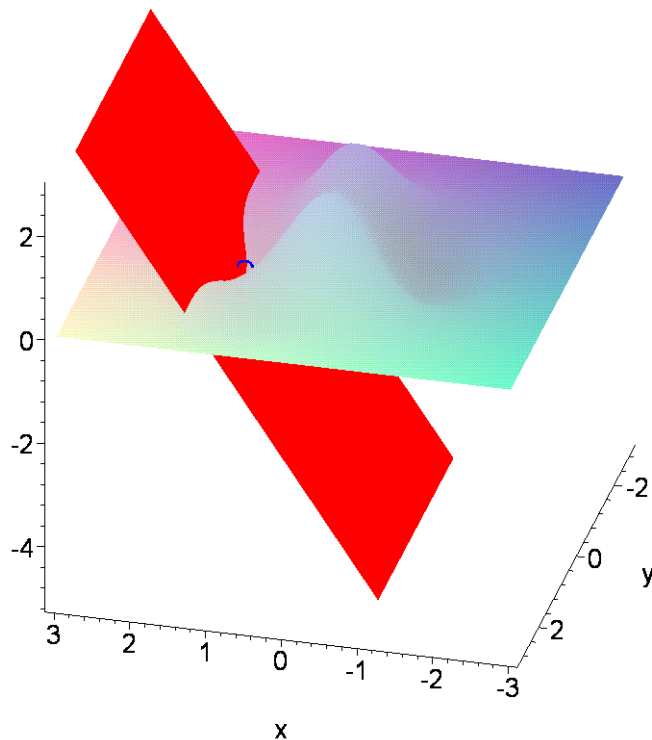
Zadejte tečnou rovinu:

```
> g:=2*(x-1.25)+f(1.25,0);
```

$$g := 2x - 3.105394251$$

```
> Plane:=plot3d(g,x=-1..3,y=-2..2,style=patchnogrid,color=red):
```

```
> display3d({Surface,Plane,Pt});
```



```
>
```

```
>
```