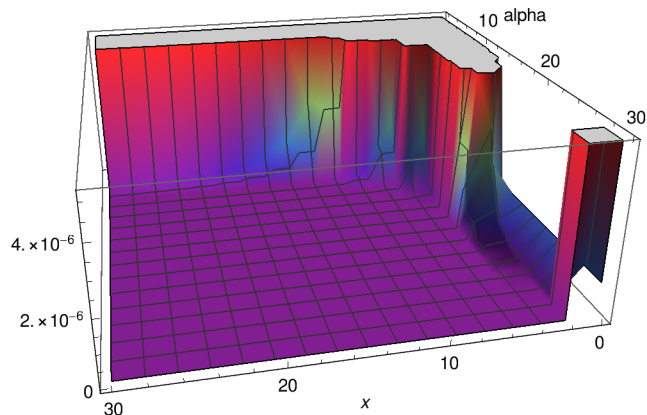


```
In[9]:= SetOptions[Plot3D(*0r whichever plot you desire*),
  ColorFunction -> "BrightBands"(*One of many options*)];
```

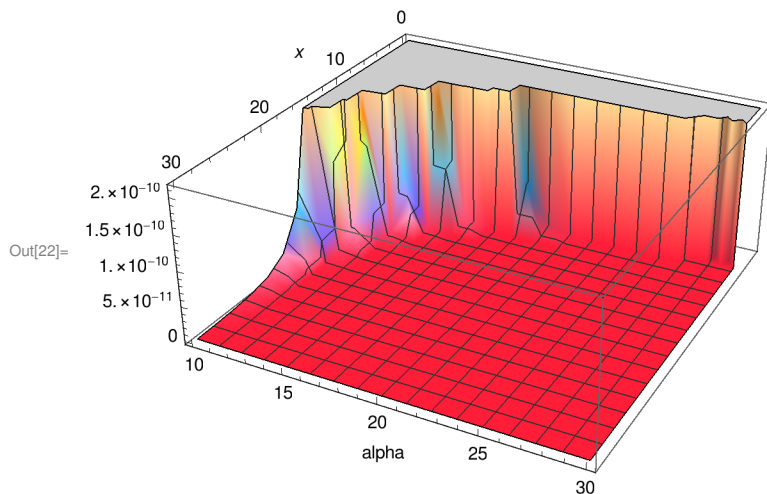
(*Obecná funkce*)

```
Plot3D[{x / (2 + x^alpha)}, {x, 0, 30}, {alpha, 2, 30},
  AxesLabel -> {"x", "alpha"}, ViewPoint -> {0, 2, 0}]
```



(*Konkrétní okolí pro alpha=20*)

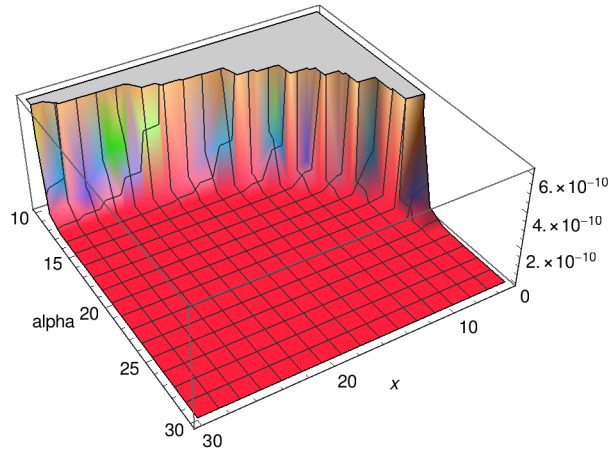
```
In[22]:= Plot3D[{10 x / (2 + x^alpha)}, {x, 0, 30}, {alpha, 10, 30}, AxesLabel -> {"x", "alpha"}]
```



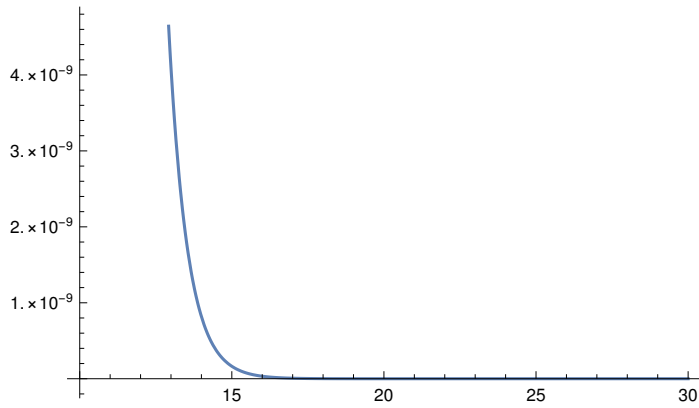
In[46]:= (*Pevné x=5 *)

```
Plot3D[{100 000 * x / (2 + x^alpha)}, {x, 5, 30},
  {alpha, 10, 30}, AxesLabel -> {"x", "alpha"}, ViewPoint -> {0, 2, 0}]
```

Out[45]=



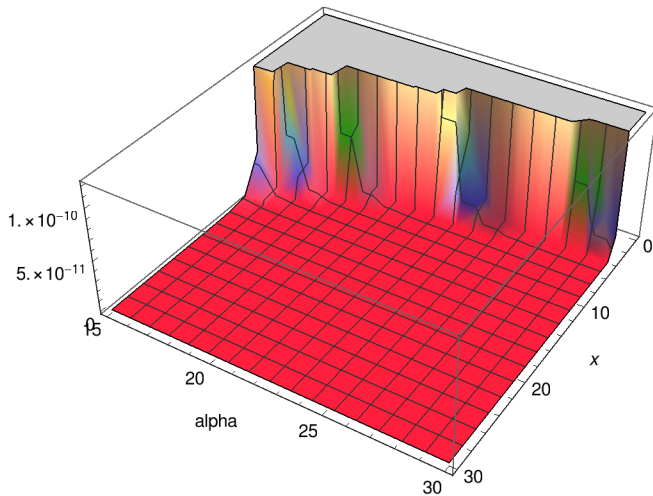
```
Plot[{5 / (2 + 5^alpha)}, {alpha, 10, 30}]
```



(*Pevné alpha=15*)

```
In[37]:= Plot3D[{10 000 * x / (2 + x^alpha)}, {x, 0, 30}, {alpha, 15, 30}, AxesLabel -> {"x", "alpha"}]
```

Out[37]=



+

Plot[[$x / (2 + x^{15})$], {x, 0, 30}]

