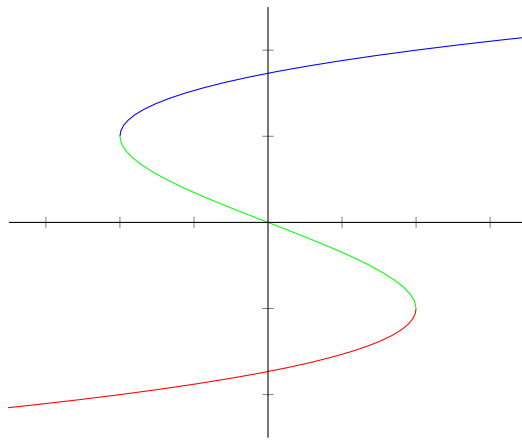


Tikz gallery

Runi Malladi

June 26, 2023

Contour plot, view from top

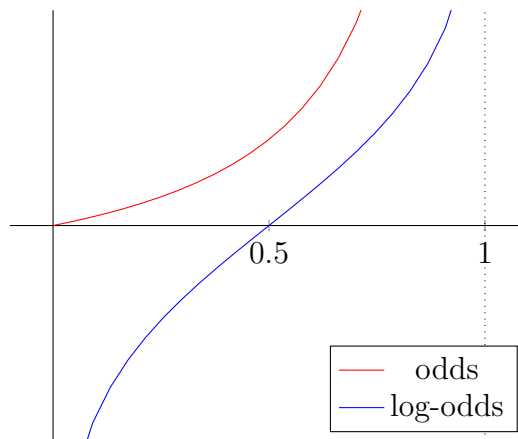


```
1 \begin{tikzpicture}
2 \begin{axis}[
3   title={Contour plot, view from top},
4   view={0}{90},
5   axis lines=middle,
6   axis line style={-},
7   xticklabels={},
8   yticklabels={},
9   xtick={-3,-2,...,3},
10  ytick={-2,-1,...,2},
11  xmin=-3.5, xmax=3.5,
12  ymin=-2.5, ymax=2.5,
13 ]
14 \addplot3[
15   contour gnuplot={
16     levels={0},
17     labels=false,
18     draw color=red
19   },
20   domain y=-2.5:-1
21 ]
22 {y^3-3*y-x};
23
24 \addplot3[
25   contour gnuplot={
26     levels={0},
27     labels=false,
```

```

28     draw color=green
29 },
30     domain y=-1:1
31 ]
32 {y^3-3*y-x};
33
34 \addplot3[
35     contour gnuplot={
36         levels={0},
37         labels=false,
38         draw color=blue
39     },
40     domain y=1:2.5
41 ]
42 {y^3-3*y-x};
43 \end{axis}
44 \end{tikzpicture}

```



```

1 \begin{tikzpicture}
2   \begin{axis}[
3     legend style={at={(0.98,0.02)},anchor=south east},
4     axis lines=middle,
5     axis line style={-},
6     xtick={0, 0.5, 1},
7     ymajorticks=false,
8     xmin=-0.1, xmax=1.1,
9     ymin=-2.5, ymax=2.5
10  ]
11    \addplot[domain=0:0.99, color=red] {x / (1-x)};
12    \addlegendentry{odds}
13
14    \addplot[domain=0.01:0.99, color=blue]{ln(x/(1-x))};
15    \addlegendentry{log-odds}
16
17    \addplot[mark=none, black, dotted] coordinates {(1,-2.5) (1,2.5)};
18  \end{axis}
19 \end{tikzpicture}

```