## Untitled2

September 13, 2023







[3]:



[4]:







```
[6]: var("t") # We're going to use t as a variable, so we need to tell
    # SageMath this before actually using it as such.
parametric_plot((e^t*sin(t),e^t*cos(t)),(t,-pi,pi))) # This is the
    # specialized command for plotting parametric curves, in
    # which the x and y coordinates are controlled by a third
    # variable (the parameter), i.e. x = f(t) and y = g(t)
    # for some functions f(t) and g(t). (See Section 10.4 of
    # the textbook.) Note that the x and y coordinates are
    # specified in an ordered pair and that the range of t to
    # be used is given in the same format as ranges in the
    # implicit_plot command are.
```

[6]:







 $\mathbf{6}$