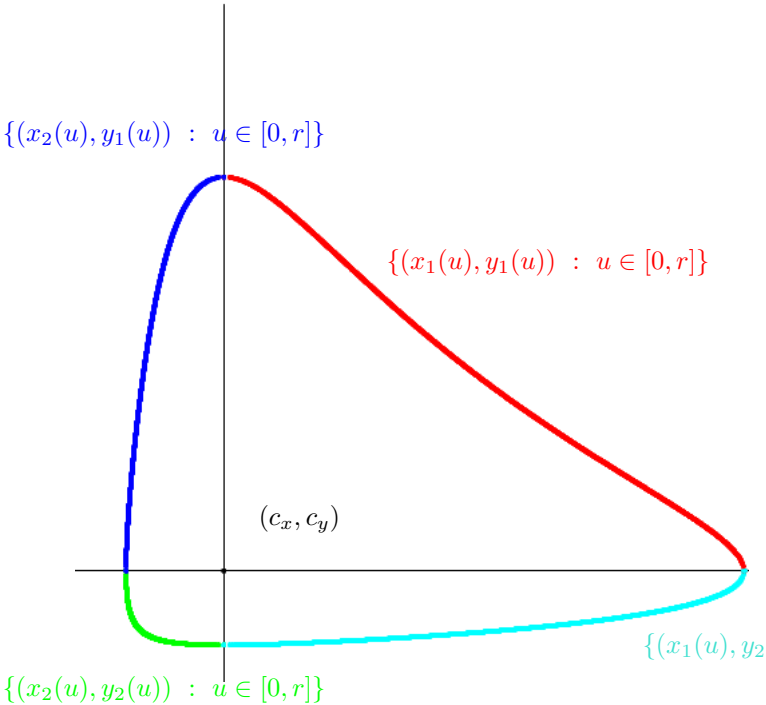


$$
\begin{aligned}
x_1(u) &= -\frac{c_x}{W_0\left(-e^{-u-1}\right)} \\
y_1(u) &= -\frac{c_y}{W_0\left(-e^{-(r-u)-1}\right)} \\
x_2(u) &= -\frac{c_x}{W_{-1}\left(-e^{-u-1}\right)} \\
y_2(u) &= -\frac{c_y}{W_{-1}\left(-e^{-(r-u)-1}\right)}
\end{aligned}
$$