$$\{(x_{1}(u), y_{2}(u)) : u \in [0, r]\}$$

$$x_{1}(u) = -c_{x}W_{0}\left(-e^{-\frac{u}{c_{x}}-1}\right)$$

$$y_{1}(u) = -c_{y}W_{0}\left(-e^{-\frac{v}{c_{y}}-1}\right)$$

$$x_{2}(u) = -c_{x}W_{-1}\left(-e^{-\frac{u}{c_{x}}-1}\right)$$

$$y_{2}(u) = -c_{y}W_{-1}\left(-e^{-\frac{v}{c_{y}}-1}\right)$$

$$\{(x_{1}(u), y_{1}(u)) : u \in [0, r]\}$$