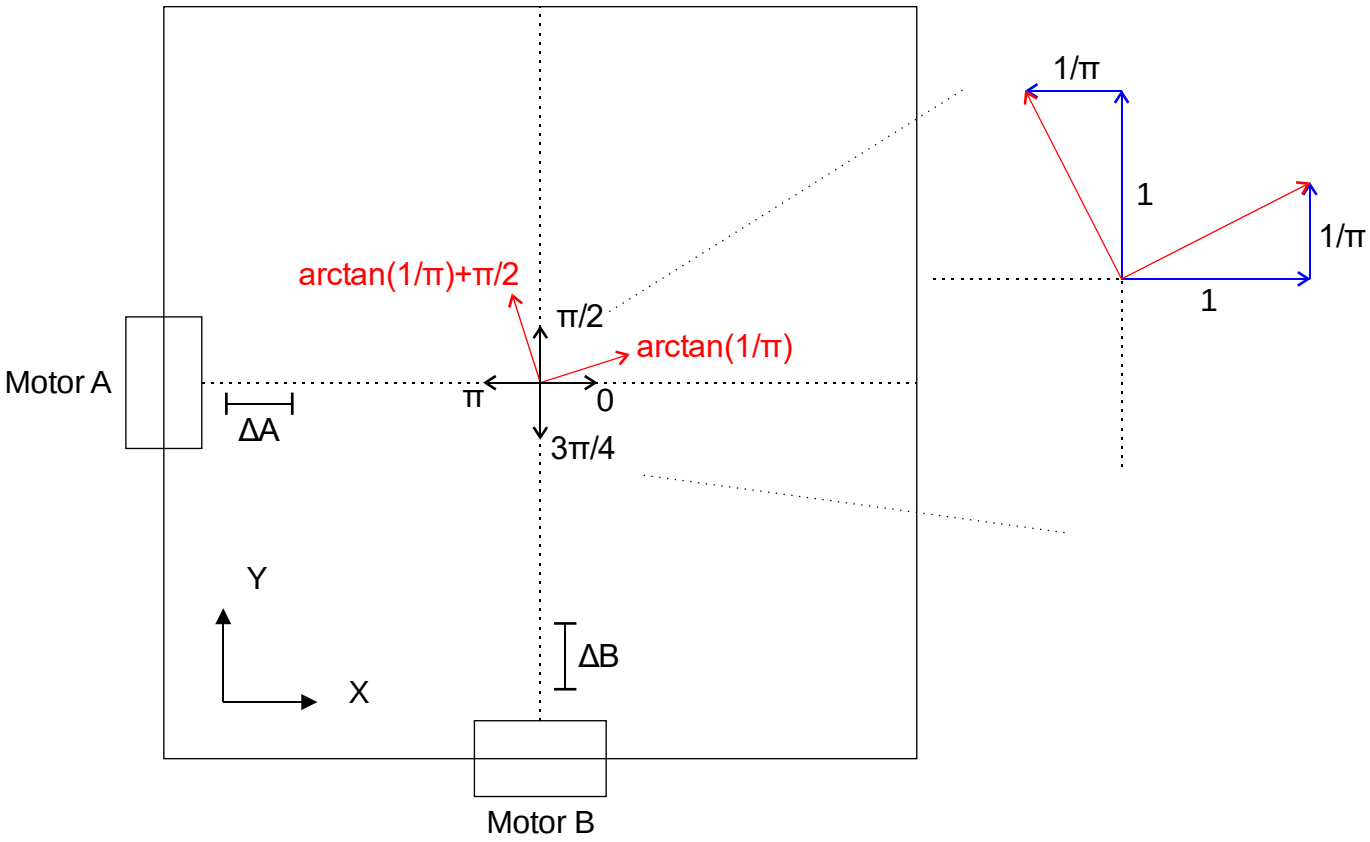
Spline Drive Kinematics for GRBL



$$\Delta X = \Delta A - \frac{1}{\pi}\Delta B$$

$$\Delta Y = \frac{1}{\pi}\Delta A + \Delta B$$

$$\Delta A = \frac{\pi^2}{\pi^2+1}\Delta X + \frac{\pi^2}{\pi^2+1}\frac{1}{\pi}\Delta Y$$

$$\Delta B = -\frac{\pi^2}{\pi^2+1}\frac{1}{\pi}\Delta X + \frac{\pi^2}{\pi^2+1}\Delta Y$$

Constants used in code:

$$\frac{1}{\pi} \approx 0.318309$$

$$\frac{\pi^2}{\pi^2+1} \approx 0.908000$$

$$\frac{\pi^2}{\pi^2+1}\frac{1}{\pi} \approx 0.289025$$