

$$x := 0.4978$$

$$y := 1.9393$$

$$\left(\frac{d}{dx} f(x) \right) = -1.283$$

$$\frac{d}{dx} g(x) = -0.257$$

$$\theta_a := \operatorname{atan}\left(\frac{d}{dx} f(x) \right)$$

$$\theta_a = -52.076 \text{ deg}$$

$$\theta_b := \operatorname{atan}\left(\frac{d}{dx} g(x) \right)$$

$$\theta_b = -14.412 \text{ deg}$$

$$\text{magnitude} := \theta_b - \theta_a$$

$$\text{magnitude} = 37.663 \text{ deg}$$

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$$f(x) := \sqrt{5 - 5x^2}$$

$$g(x) := \sqrt{4 - x^2}$$

