

UserData: [/XYTK8 0 0 -105 -0.4 1.0 1.0 -75 0.3]

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$$X_1 = 0, Y_1 = 0$$

$$X_2 = 1.0, Y_2 = 1.0, c = 0.707107$$

$$\tau_1 = -105^\circ$$

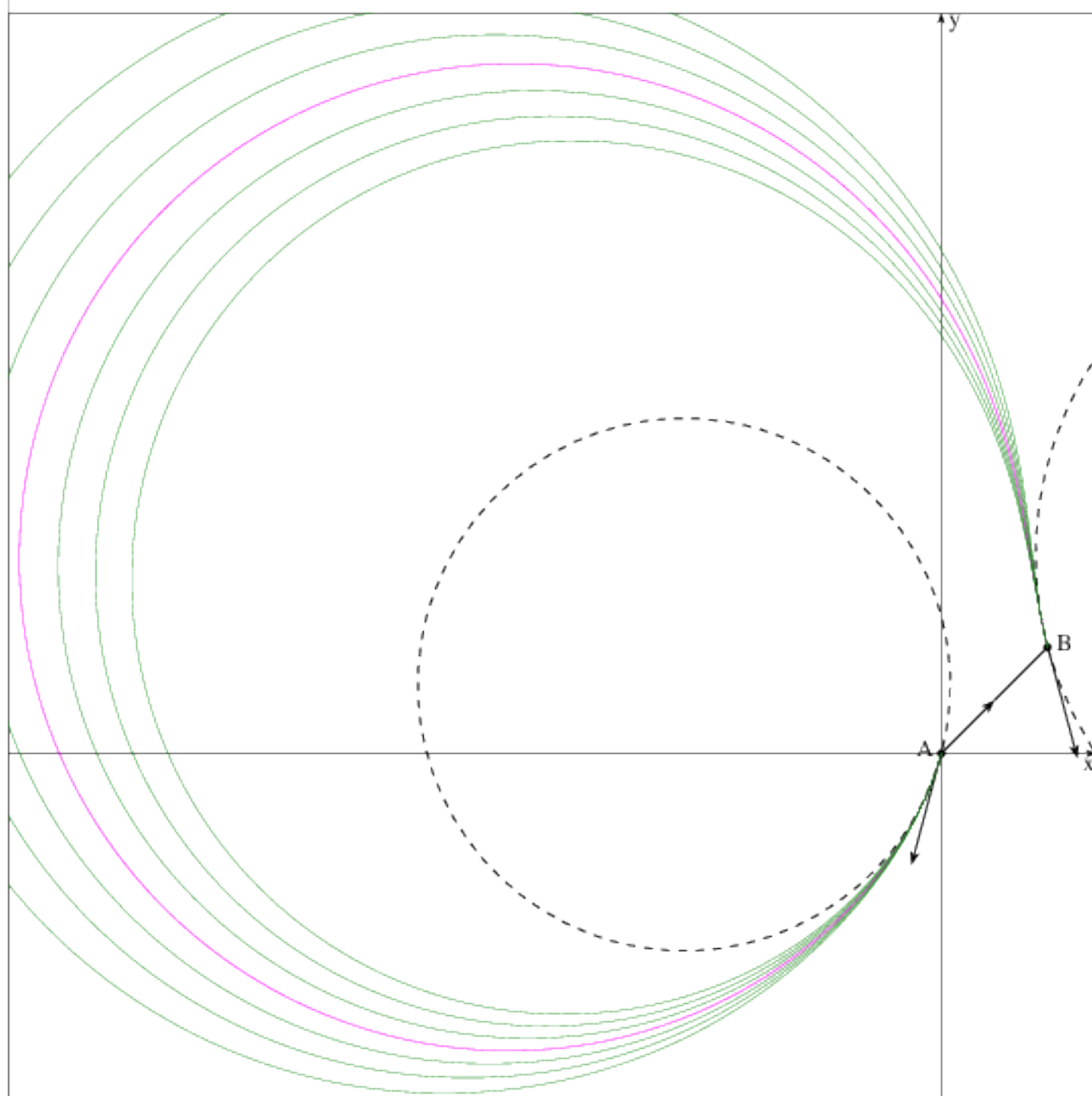
$$\tau_2 = -75^\circ$$

$$k_1 = -0.4, g_1 = -0.782843$$

$$k_2 = 0.3, g_2 = 1.07816$$

$Q = -0.344028, \sigma = 90.0^\circ$; 7 solutions found for 37 values of parameter.

$$\Phi = 90^\circ$$

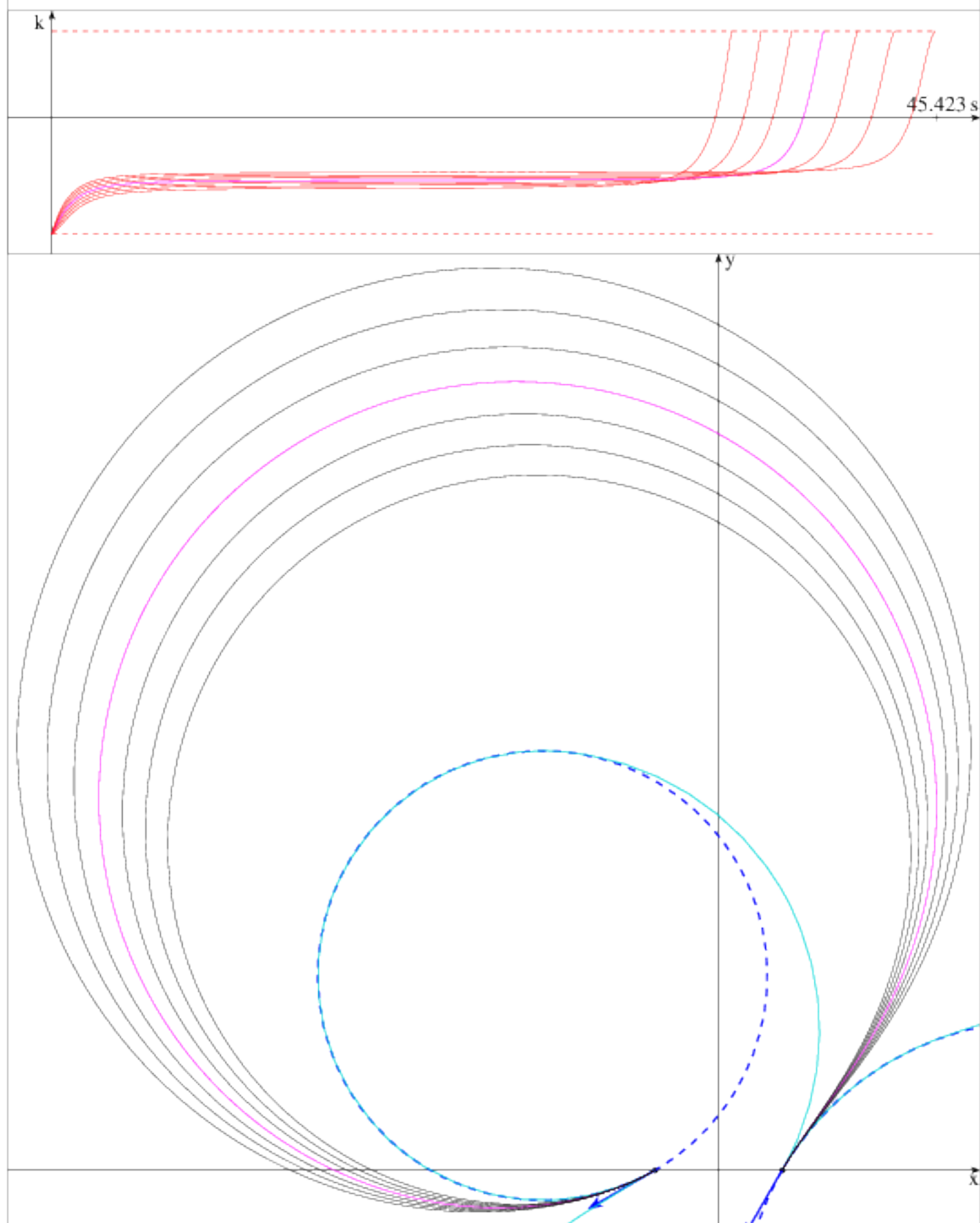


All Solutions (7), normalized:

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$\alpha = -150.0^\circ$, $\beta = -120.0^\circ$, $\sigma = 90.0^\circ$

$a = -0.282843$, $b = 0.212132$



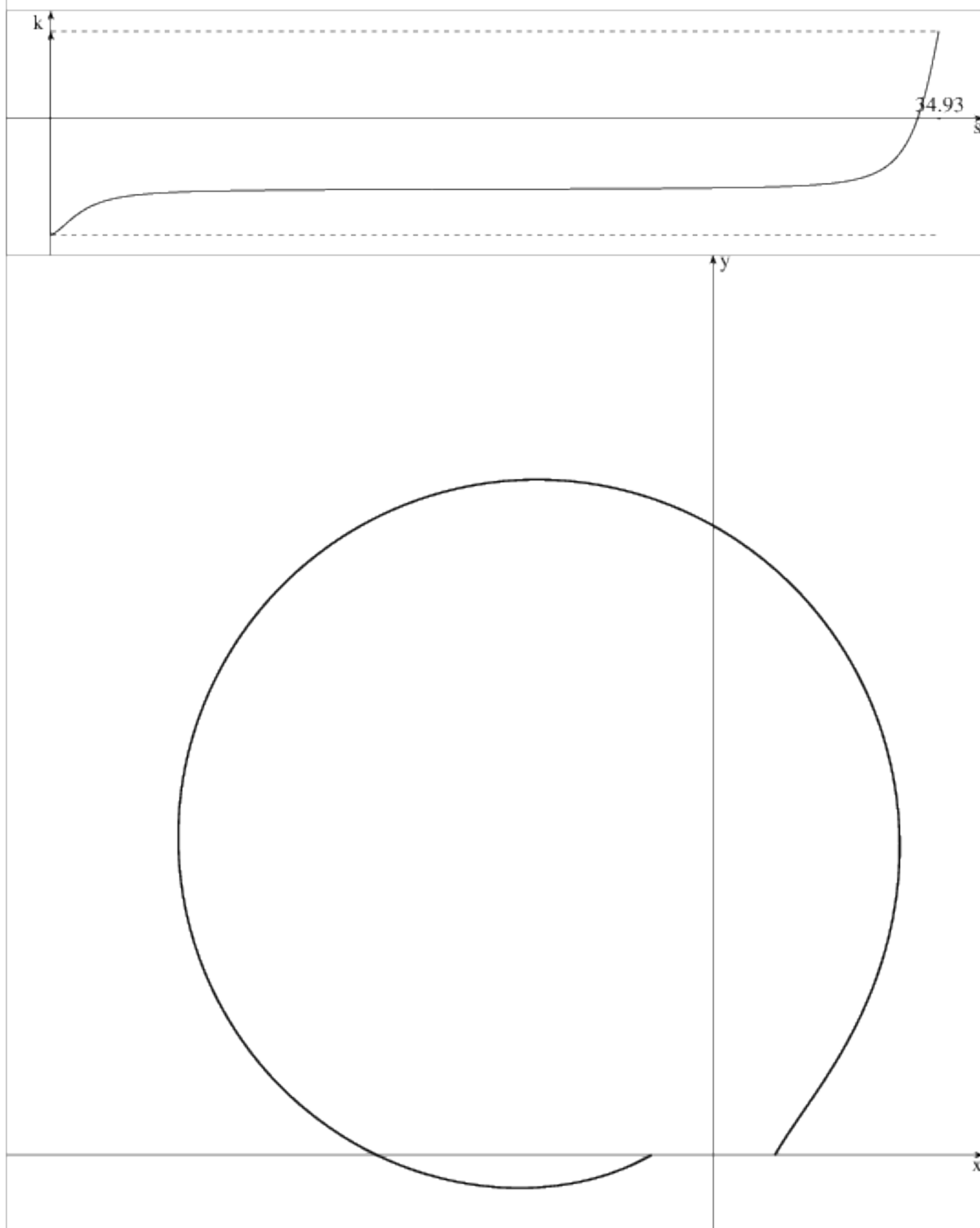
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = -15.0^\circ / \xi = -135.993^\circ, w = 0.332536, r_w = -4.52161, p = -3.8637, q = -3.73205$$

$$r_0 = 1.42757, \lambda_0 = -22.5^\circ$$

$$L = 34.9285 * 0.707107 = 24.6982$$



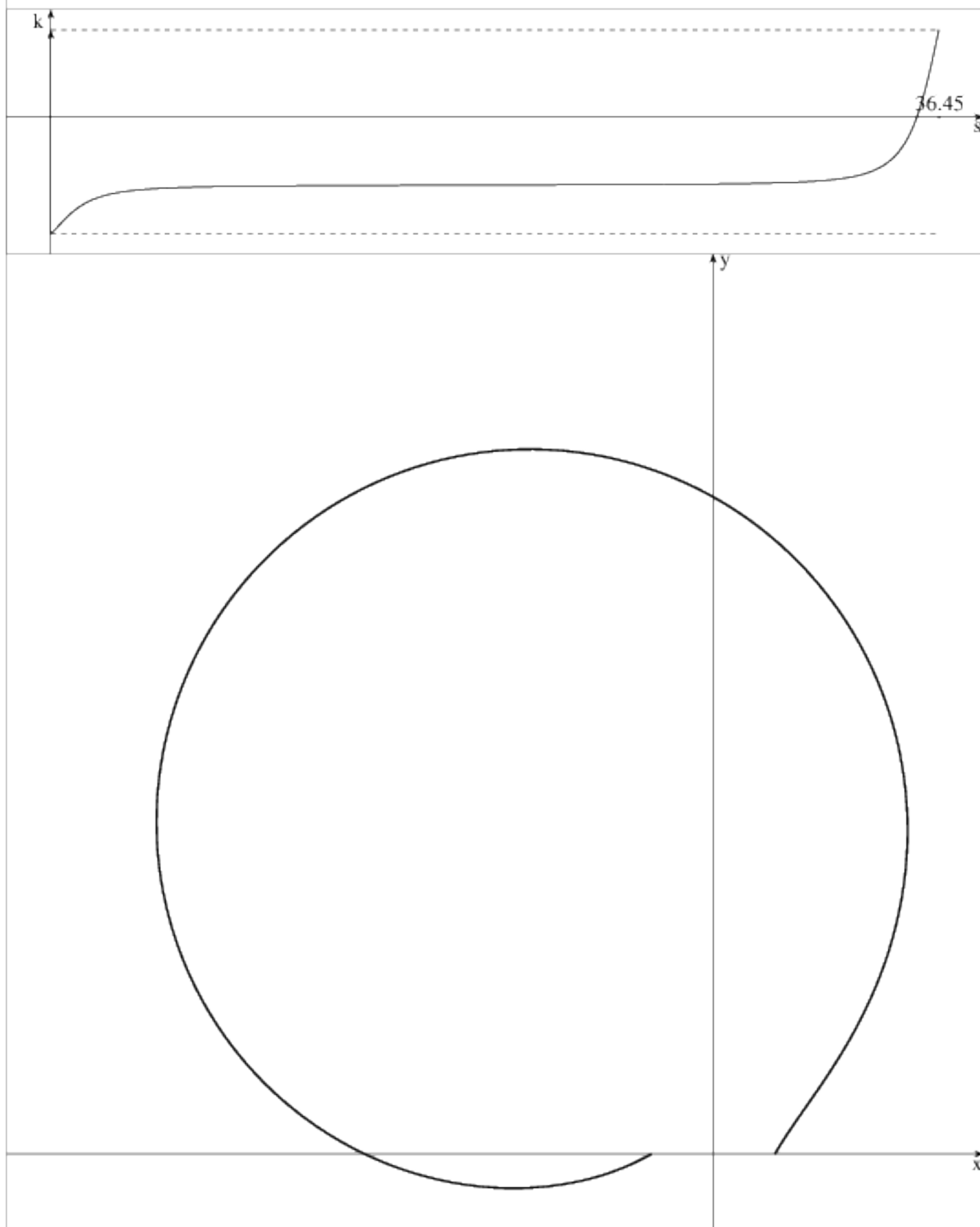
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = -10.0^\circ / \xi = -135.439^\circ, w = 0.223811, r_w = -9.98172, p = -5.75877, q = -5.67128$$

$$r_0 = 1.33496, \lambda_0 = -20.0^\circ$$

$$L = 36.45 * 0.707107 = 25.7741$$



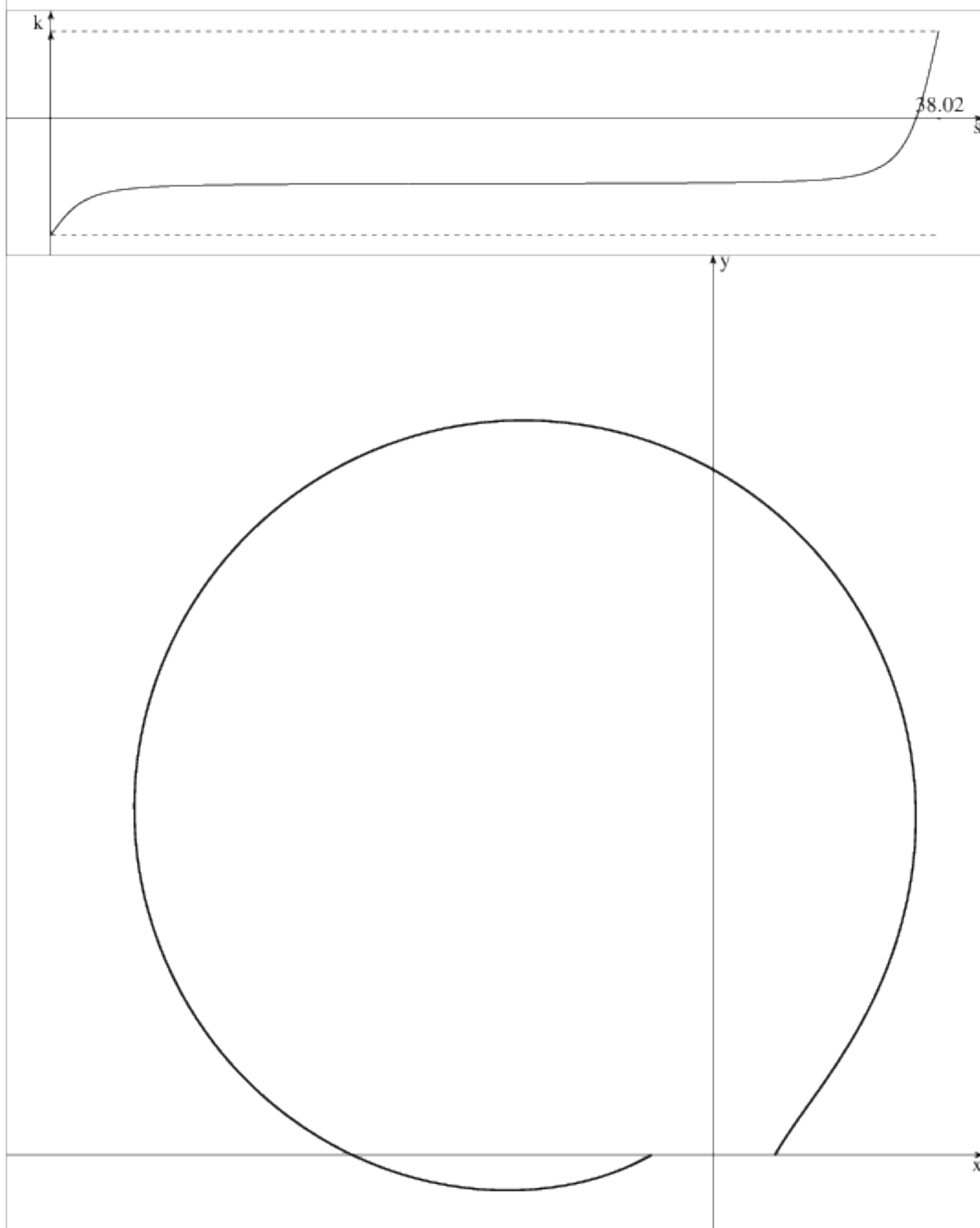
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = -5.0^\circ / \xi = -135.109^\circ, w = 0.112573, r_w = -39.4547, p = -11.4737, q = -11.4301$$

$$r_0 = 1.251, \lambda_0 = -17.5^\circ$$

$$L = 38.0234 * 0.707107 = 26.8866$$



Solution 4

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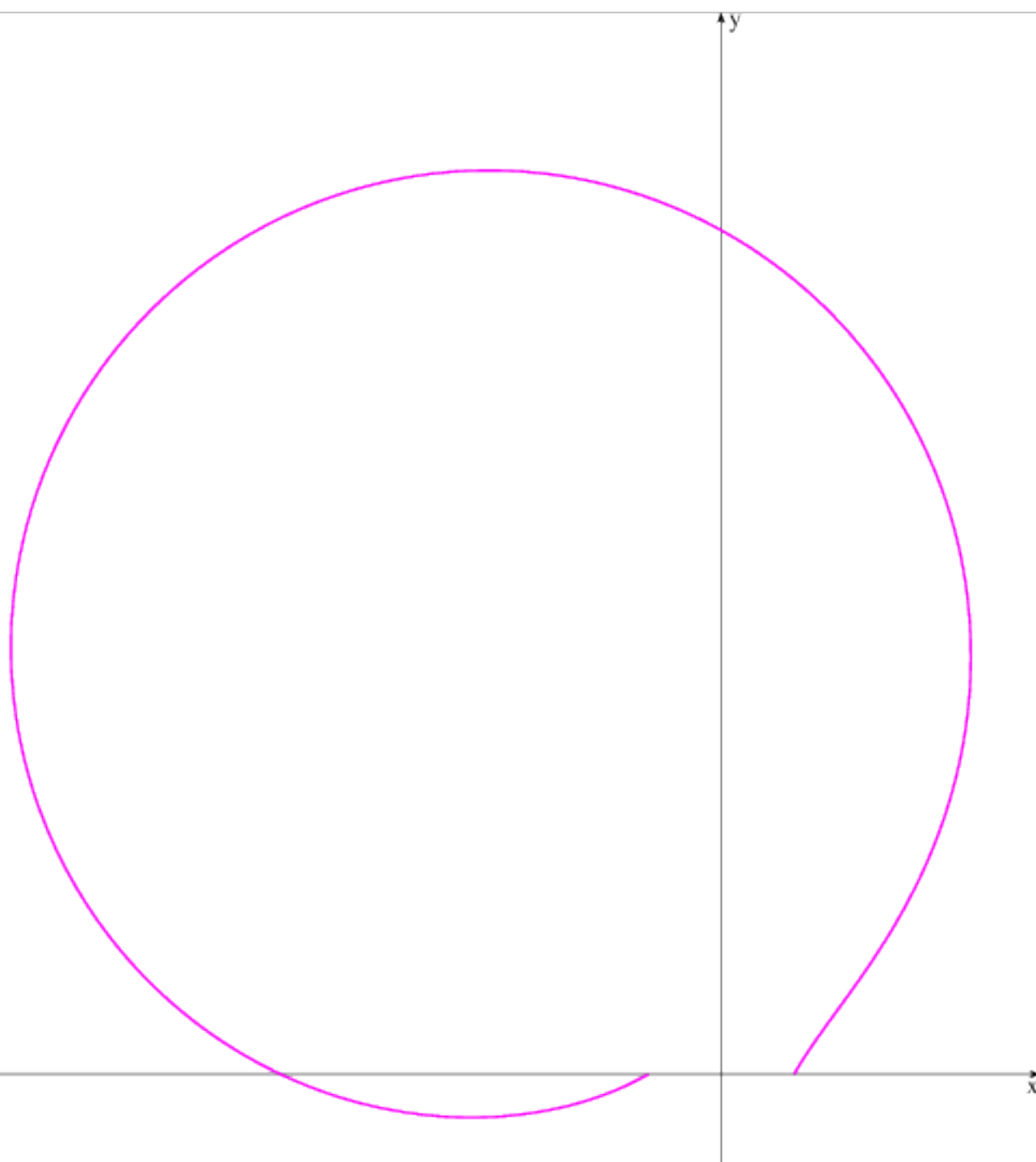
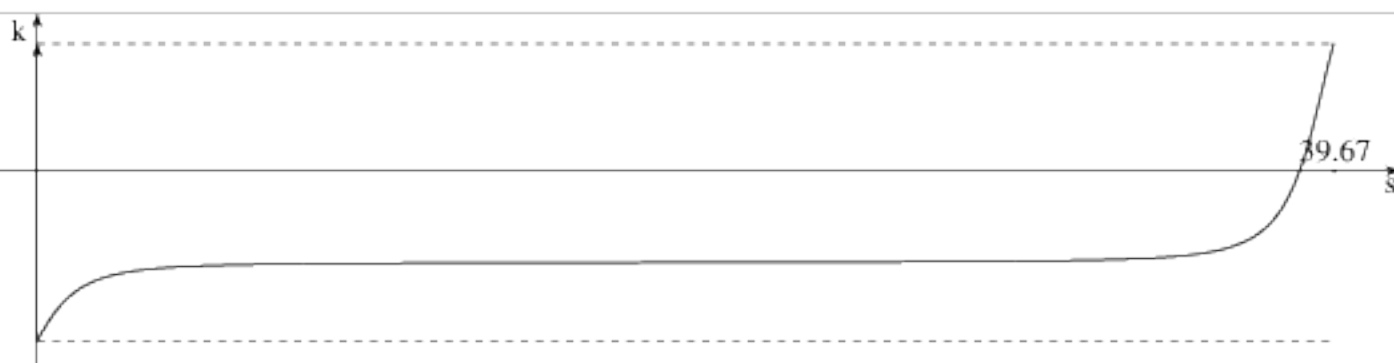
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = 0.0^\circ / \xi = 45.0^\circ, w = 0.0,$$

$$r_0 = 1.17356, \lambda_0 = -15.0^\circ$$

$$L = 39.6651 * 0.707107 = 28.0475$$



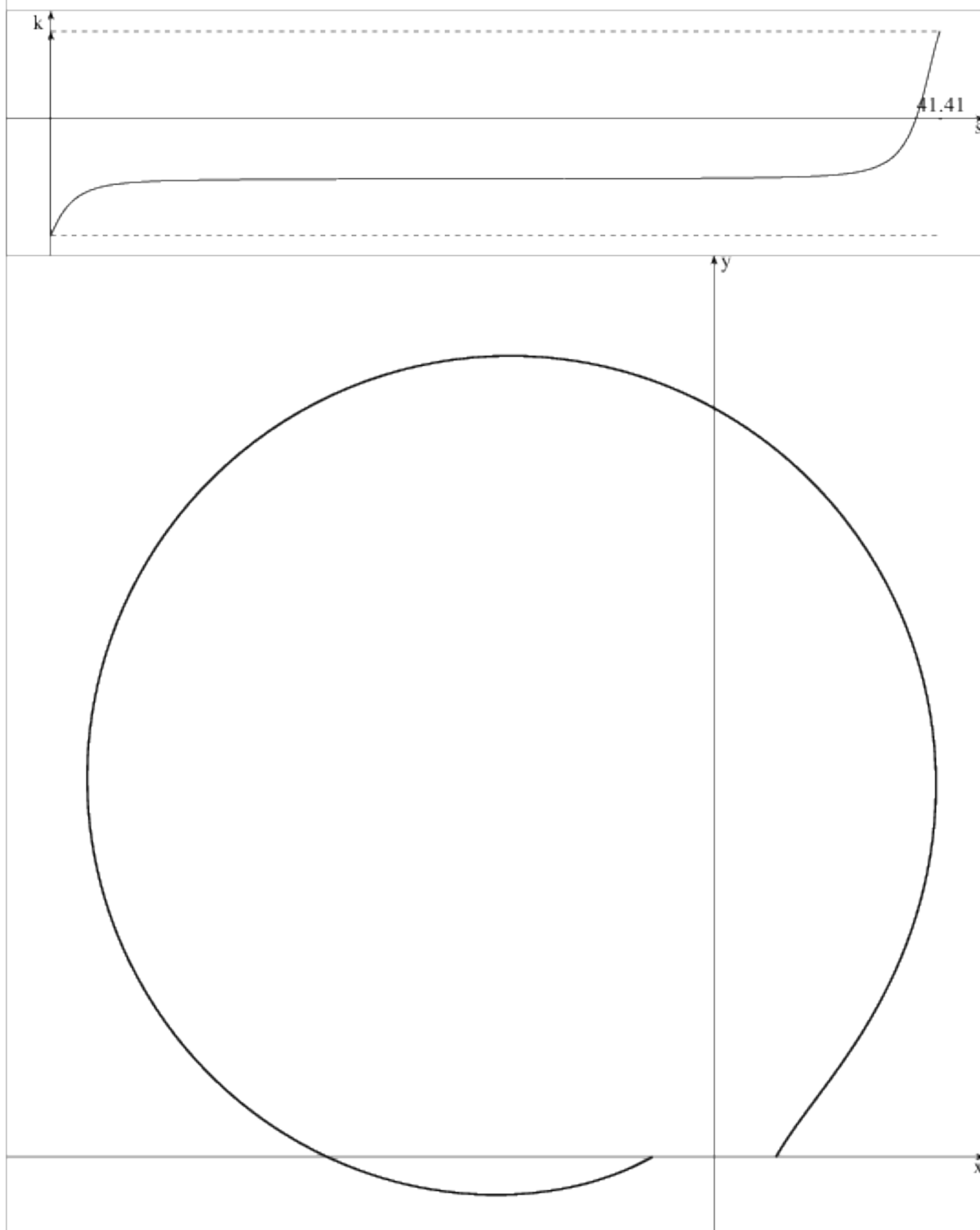
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = 5.0^\circ / \xi = 44.8908^\circ, w = -0.112573, r_w = -39.4547, p = 11.4737, q = 11.4301$$

$$r_0 = 1.1009, \lambda_0 = -12.5^\circ$$

$$L = 41.4141 * 0.707107 = 29.2842$$



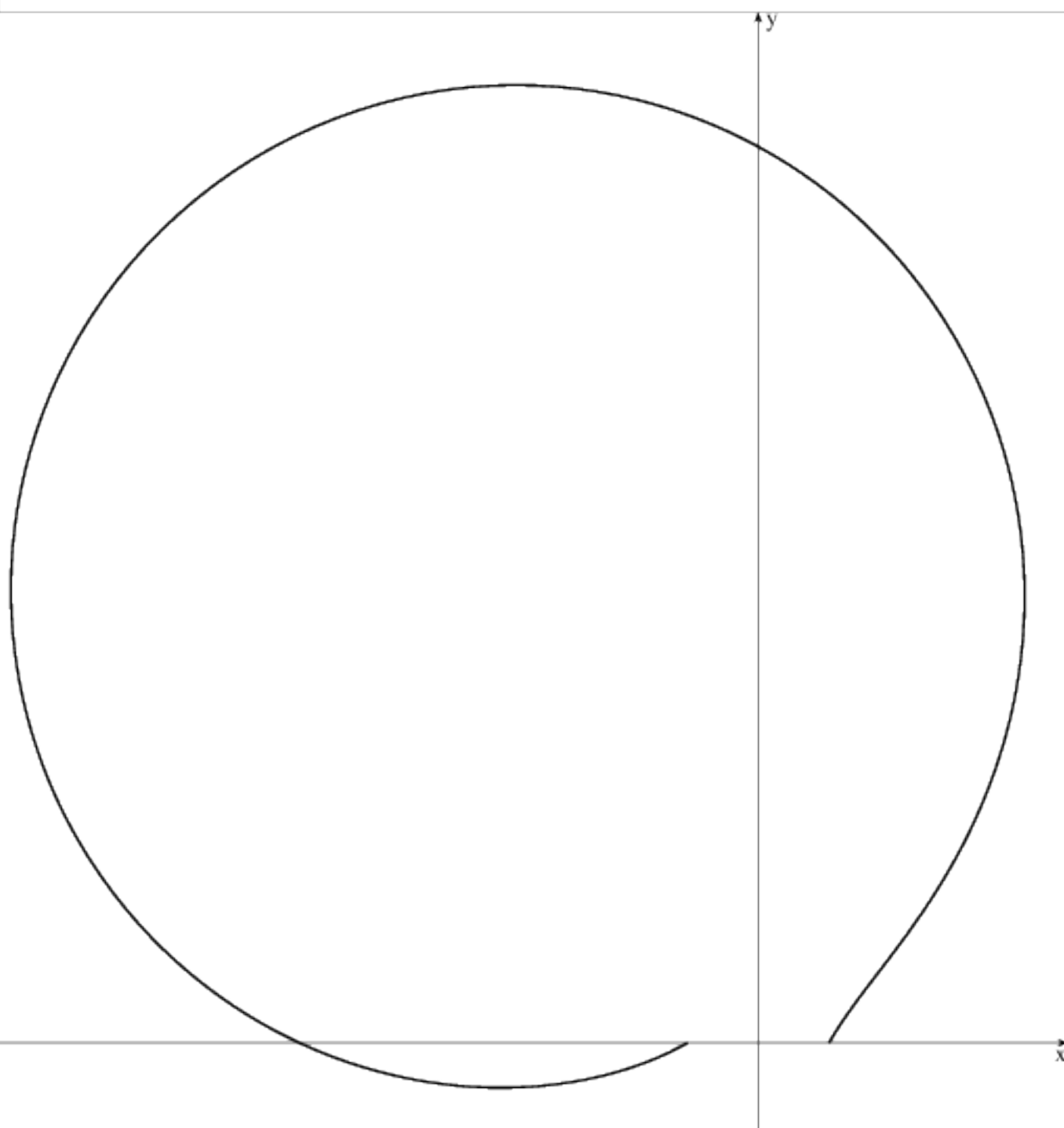
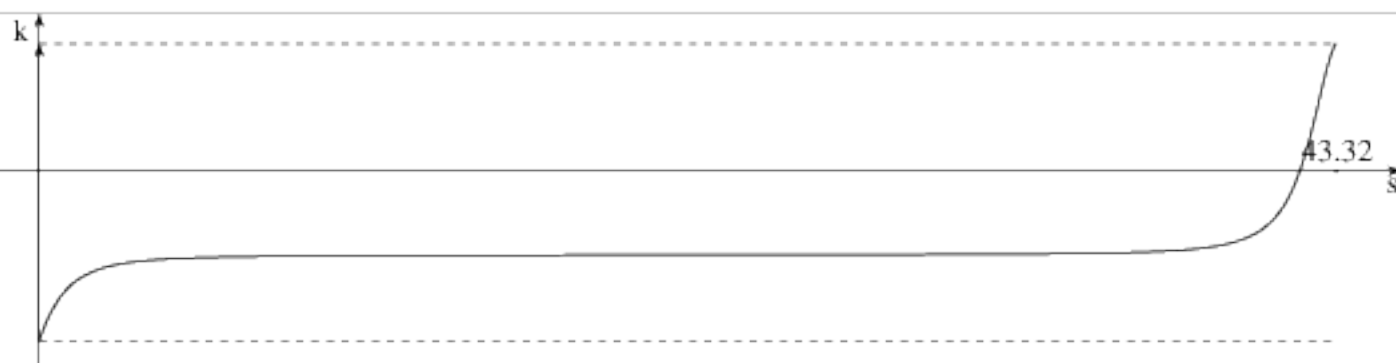
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = 10.0^\circ / \xi = 44.5615^\circ, w = -0.223811, r_w = -9.98172, p = 5.75877, q = 5.67128$$

$$r_0 = 1.03167, \lambda_0 = -10.0^\circ$$

$$L = 43.3151 * 0.707107 = 30.6284$$



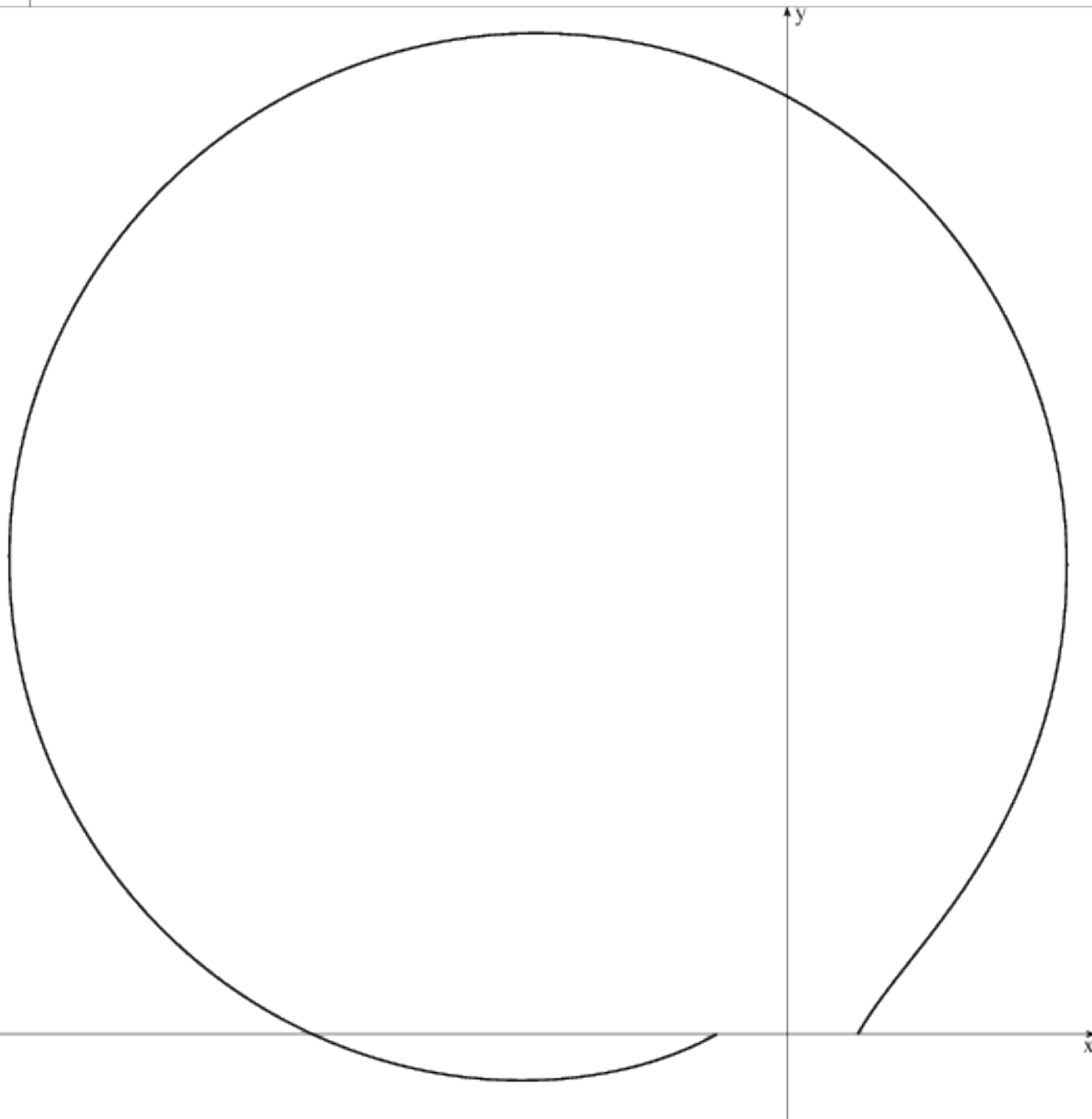
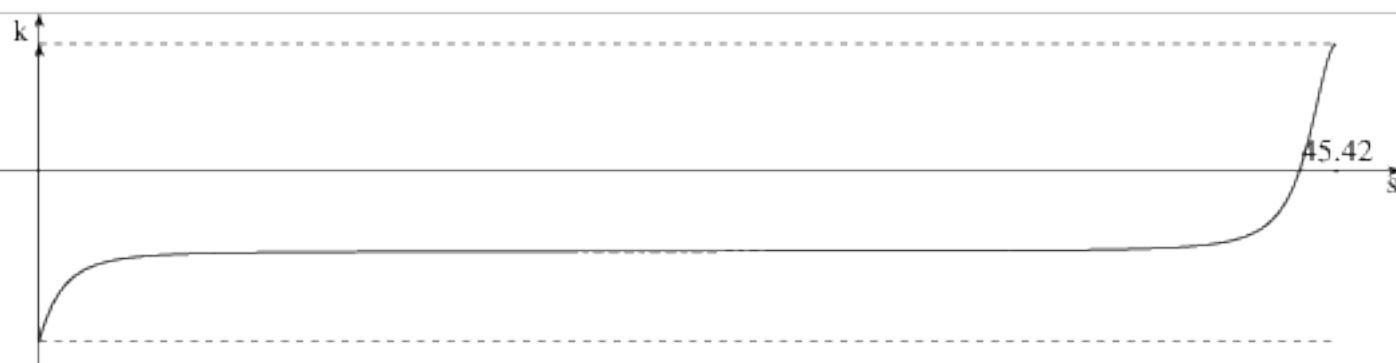
$$\alpha = -150.0^\circ, \beta = -120.0^\circ, \sigma = 90.0^\circ$$

$$a = -0.282843, b = 0.212132$$

$$\varphi = 15.0^\circ / \xi = 44.007^\circ, w = -0.332536, r_w = -4.52161, p = 3.8637, q = 3.73205$$

$$r_0 = 0.964738, \lambda_0 = -7.5^\circ$$

$$L = 45.4233 * 0.707107 = 32.1191$$



Conic info:

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$$\alpha = -150.0^\circ$$

$$\beta = -120.0^\circ$$

$$a = -0.282843, \quad g_1 = -0.782843$$

$$b = 0.212132, \quad g_2 = -0.782843$$

$$Q = -0.344028, \quad \sigma = 90.0^\circ; \quad 7 \text{ solutions.}$$

