

1点を通り1円に接する直線の接点

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|         |         |
|---------|---------|
| X1= -50 | Y1= -10 |
|---------|---------|

|       |        |        |
|-------|--------|--------|
| R= 30 | Cx= 20 | Cy= 10 |
|-------|--------|--------|

|               |                |
|---------------|----------------|
| I1x= 0.604mm  | I1y= 32.886mm  |
| I2x= 15.623mm | I2y= -19.679mm |

|                          |                               |                           |
|--------------------------|-------------------------------|---------------------------|
| L= 72.801mm              | $\theta = 15^{\circ} 56'43''$ | $\theta = 15.945^{\circ}$ |
| $\cos(\alpha) = 0.91115$ | $\alpha = 24^{\circ} 20'08''$ | $\alpha = 24.336^{\circ}$ |

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