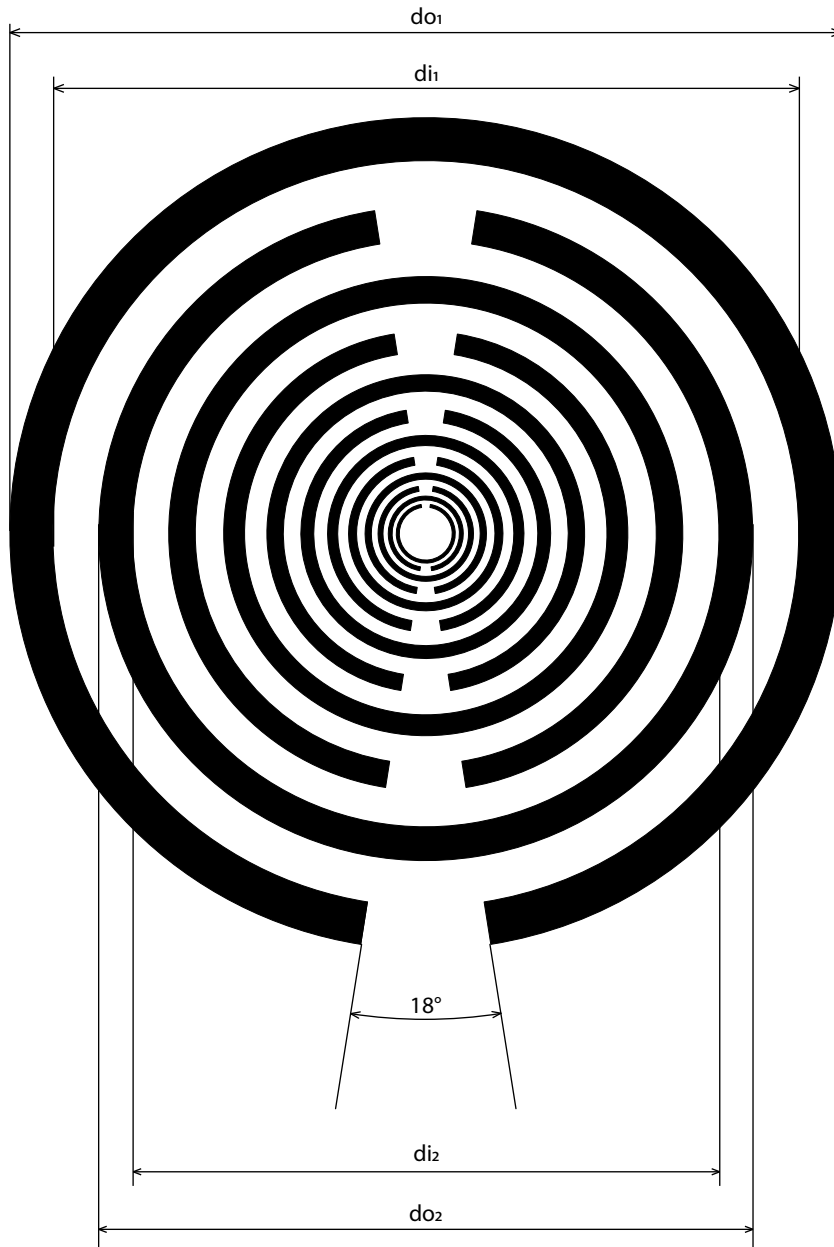


MWO antenna design



Factors and constants

$$\text{width factor: } \frac{31}{600} = 0.05166$$

$$\text{ring factor: } \frac{1}{\sqrt{1.618}} = 0.7861$$

$$w_1 = do_1 \cdot \text{width factor}$$

1.618 = golden ratio number

Ring dimension calculations

$$do_2 = do_1 \cdot \text{ring factor}$$

$$do_3 = do_2 \cdot \text{ring factor}$$

$$do_4 = do_3 \cdot \text{ring factor}$$

...

$$di_1 = do_1 - 2 \cdot w_1$$

$$di_2 = do_2 - 2 \cdot w_1$$

$$di_3 = do_3 - 2 \cdot w_1$$

$$di_4 = do_4 - 2 \cdot w_1$$

...

MWO antenna design is based on the work of Georges Lakhovsky,
Patented June 12, 1934 1,962,565.
Patent expired.