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Appointments:

1. Define the shape of the  $n$  equipotential lines for two given electrodes.
2. Define the shape of  $m$  equipotential lines when a conductor and/or an isolator are placed in the field.
3. Picture the electric field by constructing  $n$  equipotential and  $k$  intensity lines.
4. State the existence of electric field inside the rings.

Data of used measuring devices and set-up:

Nr.	Title	Type, number	Current type	Calibration limit	Measuring diapason	The value of smallest scale
1.	Microammeter	M2003	DIRECT ( $\mu A$ )		0-100	0.2

During the measurements is useful not to create the data table, but to show equipotential points graphically.

Metal  
(I) NO  
(II) Yes  
Plastic