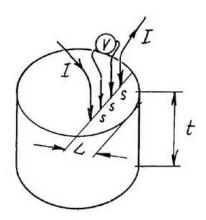
For large diameters, G can be approximated with that for an infinite plane sample (section D.1). The influence of the <u>finite diameter</u> is the greater, the smaller t. Therefore we have the upper limit for the influence of the periferi in the correction factor C_o of section I.1 for a thin, circular slice, and we can write

$$\varrho = G \frac{\nabla}{I}, \quad 2\pi_{s} \cdot T_{1}(\frac{t}{s}) \cdot C_{o}(\frac{d}{s}) \leq G \leq 2\pi_{s} \cdot T_{1}(\frac{t}{s})$$

 $2\pi s \cdot T_1(\frac{t}{s})$ is the geometric factor for an infinite plane sample of thickness t, and $C_0(\frac{d}{s})$ is the diameter correction for a thin circular slice of diameter d, when measuring in the center.

 $T_1(\frac{t}{s})$ is found in section D.1, and $C_0(\frac{d}{s})$ in section I.1.

H.3) Probe Array Perpendicular to a Diameter at a fixed Distance from the Periferi.



This configuration has not been treated in the literature.

By a reasoning analogous to that in the previous section H.2, we conclude that

$$Q = G \frac{V}{I}$$
, where $2\pi s \cdot T_1(\frac{t}{s})K_3(\frac{L}{s},\frac{d}{s}) \leq G \leq 2\pi s \cdot D_T(\frac{L}{s},\frac{t}{s})$

where:

 $2\pi s \cdot D_T(\frac{L}{s}, \frac{t}{s})$ is the geometric factor for a semi-infinite plane sample of thickness t, when the probe array is parallel to the edge at a distance L, (see section E.4), and $2\pi s \cdot T_1(\frac{t}{s})$ is the geometric factor for an infinite plane sample of thickness t (see section D.), and $K_3(\frac{L}{s}, \frac{t}{s})$ is the contour correction for the shown configuration, when test (see section I.4).