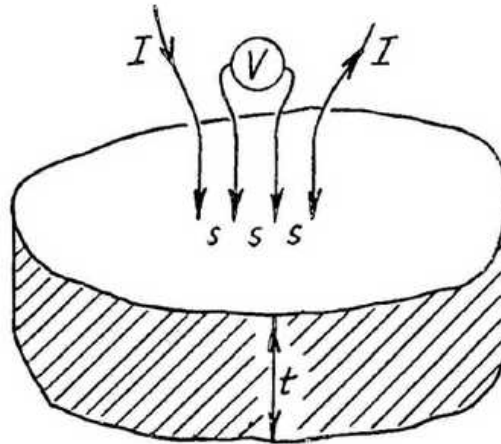


D. INFINITE PLANE SAMPLE OF FINITE THICKNESS.D.1) Thick Sample.

The geometric factor was derived by Uhler (f) (g).
The resistivity ρ is given by :

$$\rho = G \frac{V}{I}, \quad G = 2\pi s \cdot T_1\left(\frac{t}{s}\right), \quad (10)$$

where

$2\pi s$ is the geometric factor for a semi-infinite volume, see section A, and

$T_1\left(\frac{t}{s}\right)$ is an additional correction to apply for the finite thickness t of the sample.

$T_1\left(\frac{t}{s}\right) \rightarrow 1$ as $t \rightarrow \infty$.

$T_1\left(\frac{t}{s}\right)$ is tabulated and plotted on page 14.

Notice that when the thickness $t \geq 5s$, the geometric factor $2\pi s$ for a semi-infinite volume is correct within 0.7 %.