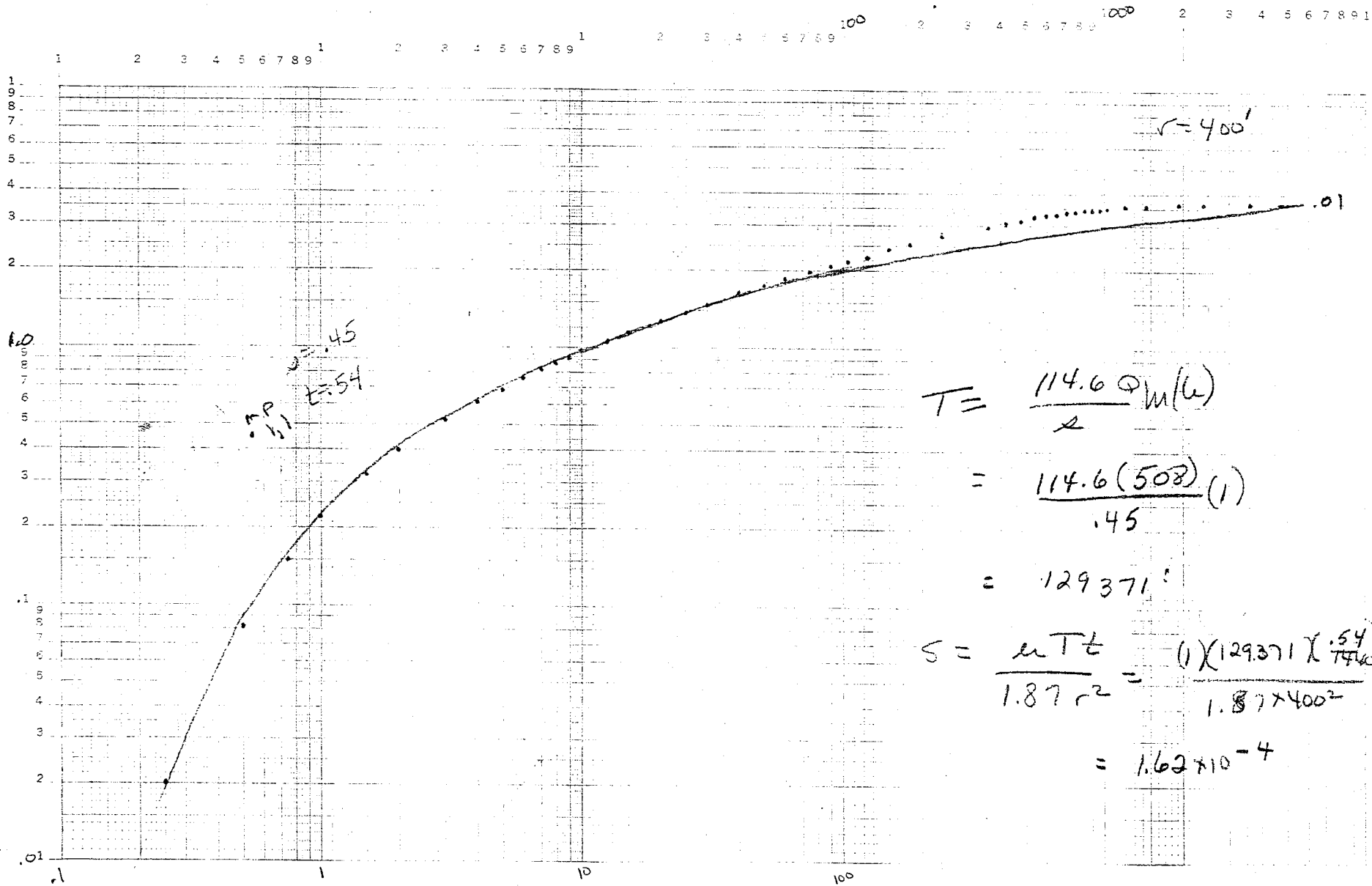


A-84 46 7522
r=400



$$T = \frac{114.6 \phi_m(u)}{u}$$

$$= \frac{114.6 (503) (1)}{.45}$$

$$= 129371$$

$$S = \frac{u T t}{1.87 r^2} = \frac{(1) (129371) (.54)}{1.87 \times 400^2}$$

$$= 1.62 \times 10^{-4}$$