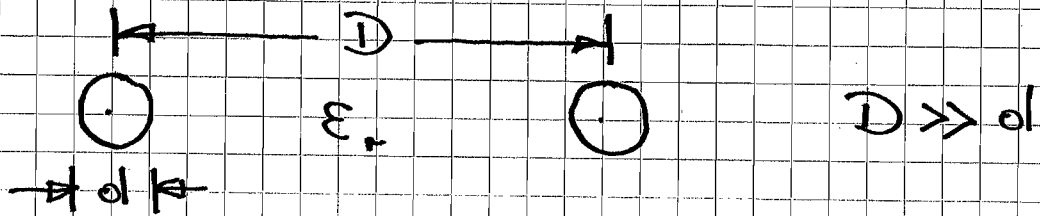


Loosder Line



| ϵ_r | | V_F |
|--------------|--------|---------|
| Air | 1,0006 | 1(0,91) |
| PVC | 4,25 | 0,49 |
| Polyethylen | 2,4 | 0,65 |
| Polypropylen | 2,1 | 0,69 |
| PTFE | 2,0 | 0,71 |

$$Z = \frac{120}{\sqrt{\epsilon_r}} \ln \left(\frac{2D}{d} \right)$$

$$= \frac{267,4}{\sqrt{\epsilon_r}} \log \left(\frac{2D}{d} \right)$$