

# BASIC OPERATING PRINCIPLES

Scanning Tunneling Microscopy:

$$I_T(z) = I_0(V)e^{-2kz}$$

$I_T(z)$  – tunneling current,

$k$  and  $I(V)$  - material - depended constant,

$z$  - separation between two surfaces,

$V$  is the voltage difference across the two surfaces;

# Types of method