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ABBREVIATION

ρ_{bulk}	Bulk resistivity (ohm-m)
ρ_{fluid}	Pore fluid conductivity (ohm-m)
S_w	Saturation index, saturation degree, degree of saturation
ϕ	Porosity
α	Pore geometry factor
m	Cementation factor
n	Saturation exponent
F	Archie's formation resistivity factor
ρ	Electrical resistivity (ohm-m)
V	Voltage (volt)
I	Current (ampere)
R	Resistance (ohm)
a	Geometric constant of the container
r	A dimension of distance
$\mu\text{S}.\text{cm}^{-1}$	Unit of electrical conductivity
σ_s	Density of solid particles (g/cm^3)
σ_b	Bulk density of soil (g/cm^3)
V_t	Total volume of soil (cm^3)
V_s	Volume of solid particles of soil (cm^3)
V_l, V_g	Volume of liquid and volume of gas in soil pore (cm^3)