NOMENCLATURE

α - Recession coefficient
σd - Standard deviation of d-series
(l-m)^2 - Square of the maximum length
ΣLu - Length of all order streams
ΣNu - Total number of stream segments of all orders
σr - Standard deviation of r-series
μS/cm - Microsiemens per centimetre
σx - Variance of X
σy - Variance of Y
σxy - Covariance of X and Y
ρxy - Correlation coefficient of X and Y
A - Area of the basin
A_o - Area of circle having the same basin perimeter
C - Constant of channel maintenance
C1 - Low salinity water
C2 - Medium salinity water
C3 - High salinity water
C4 - Very high salinity water
cm - Centimetre
C_r - Coefficient of correlation
D - Deviation from the mean d = (d-d')
D_c - Diameter of the circle of the same drainage area
D_d - Drainage density
E - East
F_s - Stream frequency
H - Water level in the well at any time 't'
H_c - Cumulative rise in water table
H_m - Water level when the rate of recession is nil
H_o - Water level in the well at the start of recession
ha-m - Hectare-metre
IR - Rainfall infiltration factor
km/hour - Kilometres per hour
L - Basin length
L_u - Mean Stream length of order u
L_u+1 - Mean Stream length of segment of the next higher order of u
M ha-m - Million hectare metre
Mm^3 - Million cubic metre
mts - Metres
N - North
n - Number of data series
N_1 - Sequence of stream order number one
N_2 - Sequence of stream order number two
N_u - Number of stream segments
P - Basin perimeter
Q - River discharge after time in days
Q₀ - Initial Discharge
R - Deviation from the mean $r = (r' - r)$
R₀ - Bifurcation ratio
Rₑ - Circularity ratio
Rₑ - Elongation ratio
Rᵣ - Form factor
Rᴸ - Stream length ratio
S - Storage coefficient
S₁ - Low sodium water
S₂ - Medium sodium water
S₃ - High sodium water
S₄ - Very high sodium water
SAR - Sodium adsorption ratio
sq km - Square kilometres
T - Time
U - Stream order