NOMENCLATURE

x, y, z  Cartesian Co-ordinates.

x ', y '  Dimensionless Cartesian co-ordinates.

u, v  Velocity Components in x and y direction respectively.

U  Velocity out side the boundary.

t  Time

A, B, C  Fluid constants.

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\( \eta \)  Similarity independent variable,

f (\( \eta \))  Similarity dependent variable

\( \rho \)  Density of fluids

n  Power law index

\( \Gamma \)  Gamma function

\( \beta \)  Beta function

Re  Reynold No.

\( \nu \)  Viscosity

\( \alpha, \beta, \beta' \)  Dimensionless numbers

U\( \infty \)  Main Stream Velocity

\( \omega \)  Characteristic function

f "  Strain Function

L  Characteristic Length
C  Constant
$\psi$  Stream function
K  Fluid consistency index in power law

Subscripts:

x  Partial derivative w. r. t. x
y  Partial derivative w. r. t. y
z  Partial derivative w. r. t. z
0  Condition at surface
$\infty$  Condition at infinite distance

Other Nomenclatures are defined as and when appeared in the topic.