LIST OF SYMBOLS

SYMBOL

A	Area
$A(r)$	Set of points
$A(\varepsilon)$	Area of the blanket
$B_r(x)$	Disc of radius r
D	Fractal dimension
D_B	Fractal dimension by box-counting method
$D_p^{(L)}$	Larger perimeters
$D_p^{(s)}$	Smaller perimeters
D_R	Compass dimension
$H_\delta^{(d)}$	Hausdorff dimension
L_i	Length in i-step of the measurement
N	Number of Pieces
N_i	Number of steps needed
$N(r)$	Number of the boxes that covering the fractal curve
P	Some measure of perimeter
S	Sierpinski triangle
X	Independent variable
Y	Dependent variable
a	Intercept
a_n	Number of pixels
b	Slope of the line
b_ε	Bottom surfaces
c	Constant value for the fractal shape possessing similarity
d_H	Hausdorff if dimension of F
d_n	Distance between each pair of pixels
k	Constant that is dependent upon the measure used for P
r	Reduction factor
r	Size of the boxes
r_i	Ruler size
u_ε	Top surfaces
α	Slope
ε	Number of blankets
μ	Constant