SYMBOLS

S	Superpixel Center
N	Number of Pixel,
K	Desired number of Superpixel
Ck	Cluster Center for superpixel K
$dlab$	Euclidean distance of CIELab Color Space
dxy	Euclidean position of pixel in XY plane
Ds	Euclidean distance of Superpixel Center
E	Residual Error
Threshold	Lower bound value
Spx	Superpixel
mode	Most occurred number in statistic
$Nspx$	Total number pixel in Superpixel
Y	Gray level Color Space
X, Y, Z	XYZ color space
Bk	Bin of HSV from 1 to k
Spxi(label)	Superpixel i with its label
K	Number of label
C	Cost of classification
gamma	Gaussian radial basis function parameter
Pos	Position of Superpixel
$p(D)p$	Percentage of superpixel distribution on position p (top, middle, bottom)
I	Image
TM	Training Model
l'	Label resulted from guided SVM
l''	Label resulted from guided Label Refining