

Symbol	Description
$T$	a set of $m$ time-constrained spatial tasks $t_i$
$W$	a set of $n$ dynamically moving workers $w_j$
$[s_i, e_i]$	the time constraint of accomplishing a task $t_i$
$l_i$ (or $l_j$ )	the position of task $t_i$ (or worker $w_j$ )
$v_j$	the velocity of moving worker $w_j$
$p_j$	the confidence of worker $w_j$ that reliably do the task
$[\alpha_j^-, \alpha_j^+]$	the interval of moving direction (angle)
$rel(t_i, W_i)$	the reliability that task $t_i$ can be completed by workers in $W_i$
$R(t_i, W_i)$	a (equivalent) variant of reliability $rel(t_i, W_i)$
$STD(t_i, W_i)$	the spatial/temporal diversity of task $t_i$
$E(STD(t_i))$	the expected spatial/temporal diversity of task $t_i$
$total\_STD$	the sum of the expected spatial/temporal diversities for all tasks
$K$	the sample size