

Notation	Significance
$v$	The highest price that a secondary is willing to pay for an available channel.
$q_i$	Availability probability of primary $i$ .
$q$	In the basic model $q_1 = q_2$ .
$s_i$	The C-CSI acquisition cost for primary $i$ .
$s$	In the basic model $s_1 = s_2 = s$ .
$q_s$	The C-CSI estimation accuracy.
$c$	The transaction cost which the primary incurs only when it sells its channel.