

OPTIMAL PID PARAMETERS		WORKLOADS PATTERN							
WORKLOADS	PARAMETERS ( $K_p, K_i, K_d$ ) ( $\times 10^{-2}$ )	L-S-C	L-S-U	H-S-C	H-S-U	L-F-C	L-F-U	H-F-C	H-F-U
L-S-C	(2.500,0.050,0.100)	0.064	0.089	12.553	0.341	0.128	0.135	12.382	0.274
L-S-U	(2.500,0.005,0.000)	0.108	0.058	16.137	1.426	0.157	0.125	16.221	2.143
H-S-C	(0.210,0.005,0.010)	0.192	0.119	0.339	0.237	0.232	0.254	0.497	0.517
H-S-U	(0.210,0.050,0.000)	0.198	0.079	0.355	0.231	0.378	0.298	0.359	0.346
L-F-C	(3.100,0.050,0.100)	0.082	0.085	12.394	0.380	0.070	0.104	12.488	0.387
L-F-U	(3.900,0.050,0.100)	0.086	0.079	16.154	1.770	0.104	0.084	15.896	2.226
H-F-C	(0.700,0.050,0.010)	0.104	0.119	0.553	0.232	0.132	0.159	0.256	0.227
H-F-U	(0.700,0.050,0.000)	0.085	0.105	0.475	0.215	0.129	0.142	0.334	0.162
FUZZY PID		0.083	0.058	0.375	0.234	0.096	0.085	0.357	0.172

Table 1 Using the optimal parameters of different workload for every workload