

## Bilateral Transaction

Table1

Optimised Values	<b>I</b> Controller	<b>PI</b> Controller	<b>PID</b> Controller
$K_P1^*$	-	1.3926	1.8329
$K_I1^*$	1.4625	1.2334	1.9451
$K_D1^*$	-	-	1.7969
$N1^*$	-	-	46.5728
$K_P2^*$	-	1.3540	3.0000
$K_I2^*$	1.4152	1.4133	2.5670
$K_D2^*$	-	-	3.0000
$N2^*$	-	-	35.1185
$z$	0.0315	0.0172	0.0037
para	[2 250 0.5 0.2 0.1]	[4 150 0.5 0.2 0.1]	[8 200 0.6 0.2 0.1]
Lb	[ 0 0 ]	[ 0 0 0 0 ]	[ 0 0 0 0 0 0 0 0 ]
Ub	[ 2 2 ]	[ 2 2 2 2 ]	[2 2 2 100 3 3 3 100]