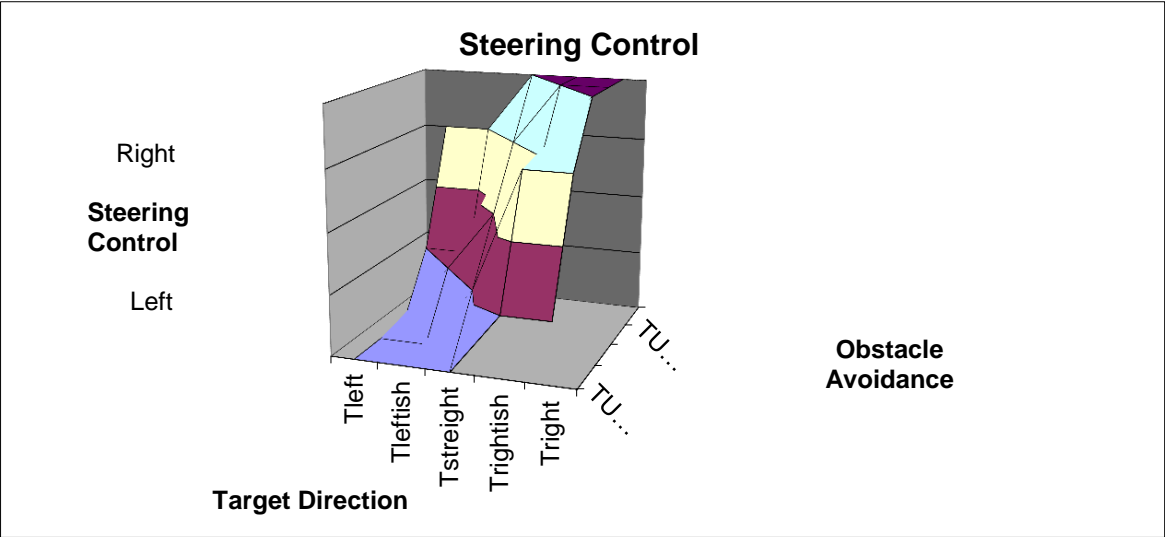


'Steering control'					
0	1	2	3	4	5
NULL	LEFT	LEFTish	Straight	RIGHTish	RIGHT

1	1	1	2	2	TURNleft Relation'1'
1	1	2	4	4	TURNleft `Obstacle avoid`
1	2	3	4	5	EVEN
2	2	4	5	5	TURNrightish
4	4	5	5	5	TURNright

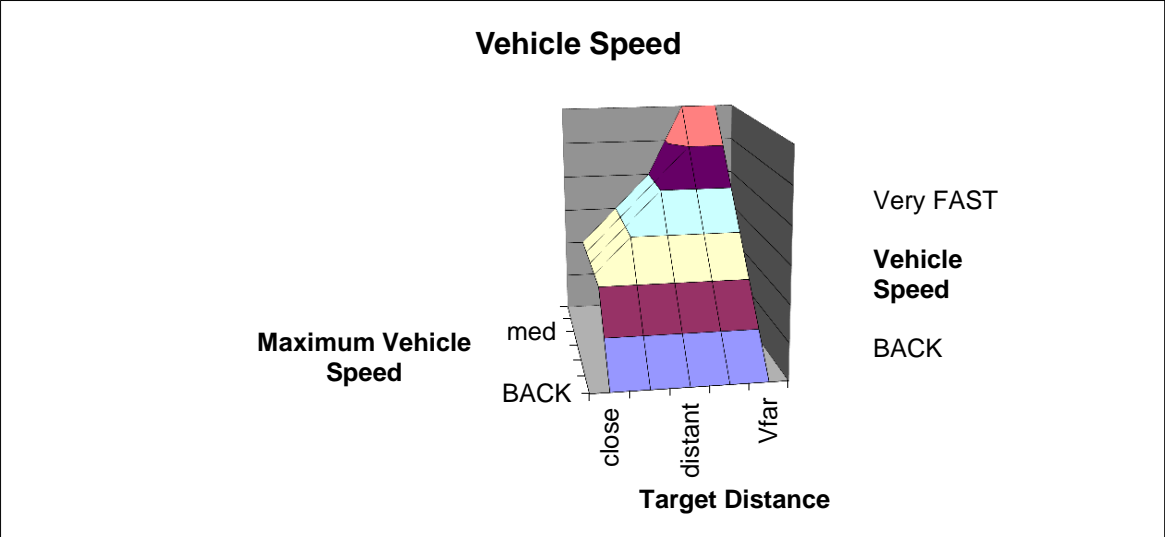
Tleft	Tleftish	Tstreigh	Trightis	Tright
Relation `0`	`Target direction`			



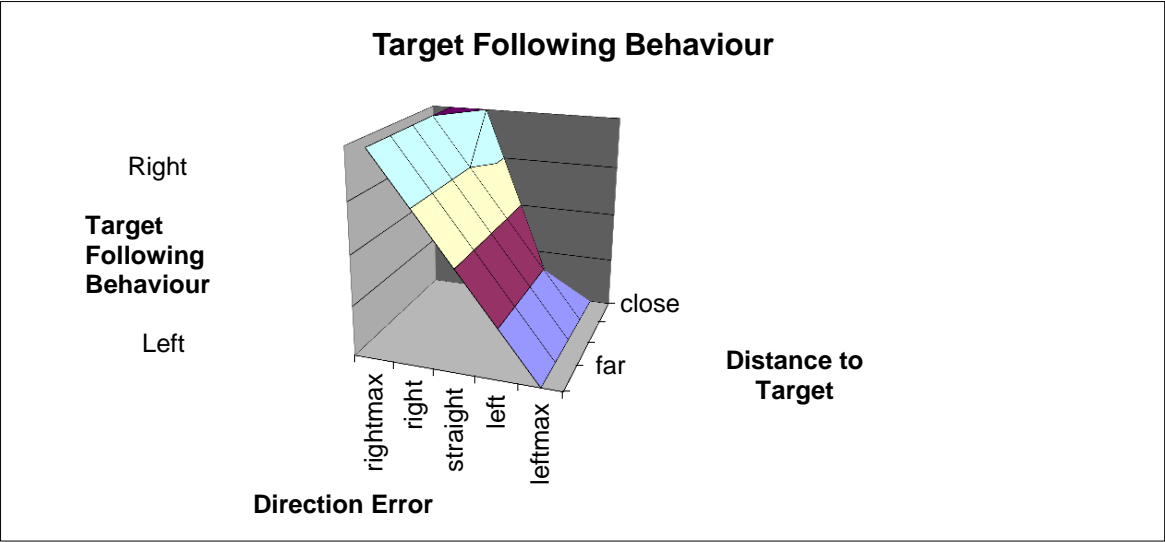
'Vehicle speed'							
0	1	2	3	4	5	6	7
NULL	BACK	STOP	vslow	slow	med	fast	vfast

1	1	1	1	1	BACK	Relation '1' Maximum speed
2	2	2	2	2	STOP	
3	3	3	3	3	vslow	
3	4	4	4	4	slow	
3	4	5	5	5	med	
3	4	5	6	6	fast	
3	4	5	7	7	Vfast	

close	near	distant	far	Vfar	
Relation '0' Target distance					



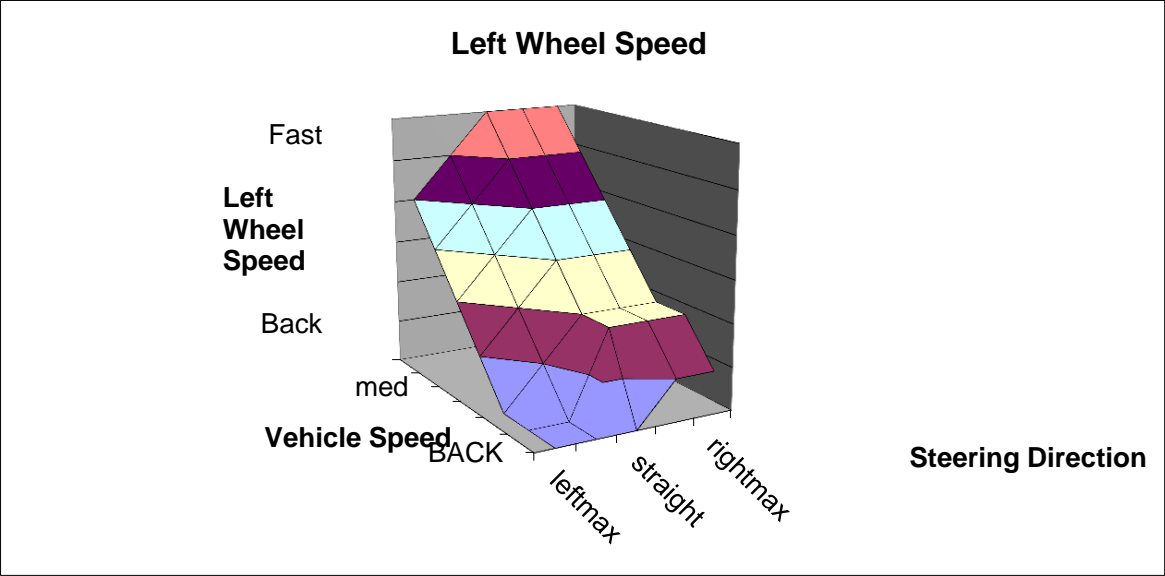
'Target following behaviour'							
0	1	2	3	4	5		
NULL	Left	leftish	straight	Rightish	Right		
1	1	3	5	5		close	Relation'1' Target Distance
1	2	3	4	5		near	
1	2	3	4	5		distant	
1	2	3	4	5		far	
1	2	3	4	5		Vfar	
						leftmax left straight right rightmax	
						Relation '0' Direction Error	



'Left wheel speed'							
0	1	2	3	4	5	6	7
NULL	Back	stop	Vslow	slow	Med	fast	Vfast

1	1	1	2	2	BACK	Relation '1' vehicle speed
1	1	3	3	3	STOP	
1	2	3	3	3	vslow	
2	3	4	4	4	slow	
3	4	5	5	5	med	
4	5	6	6	6	fast	
5	6	7	7	7	Vfast	

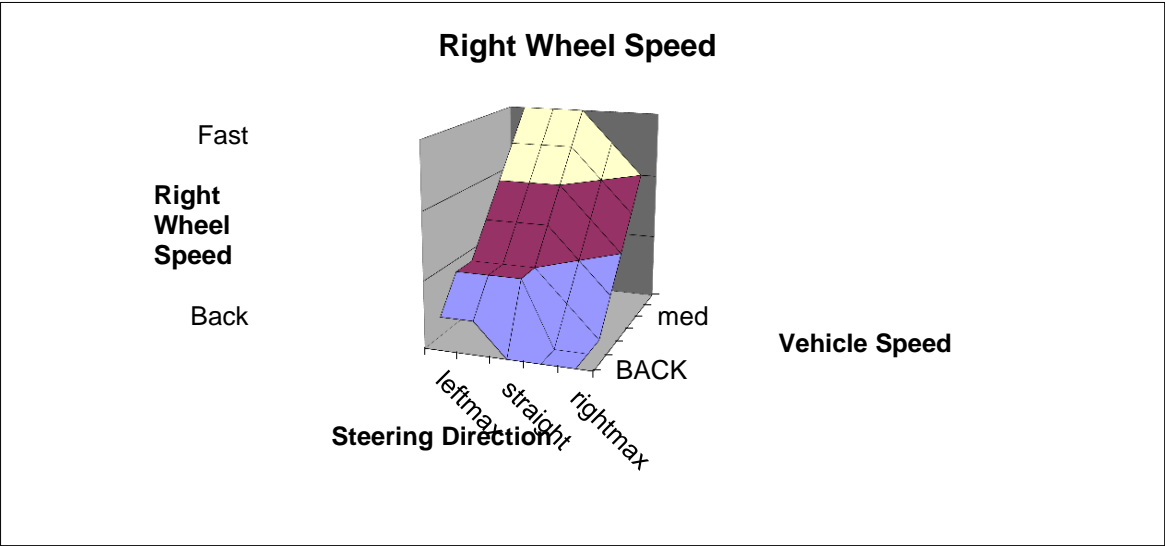
leftmax	left	straight	right	rightmax
Relation '0' Steering Direction				



'Right wheel speed'							
0	1	2	3	4	5	6	7
NULL	Back	stop	Vslow	slow	Med	fast	Vfast
2	2	1	1	1	BACK	Relation '1' vehicle speed	
3	3	3	1	1	STOP		
3	3	3	2	1	vslow		
4	4	4	3	2	slow		
5	5	5	4	3	med		
6	6	6	5	4	fast		
7	7	7	6	5	Vfast		

leftmax
left
straight
right
rightmax

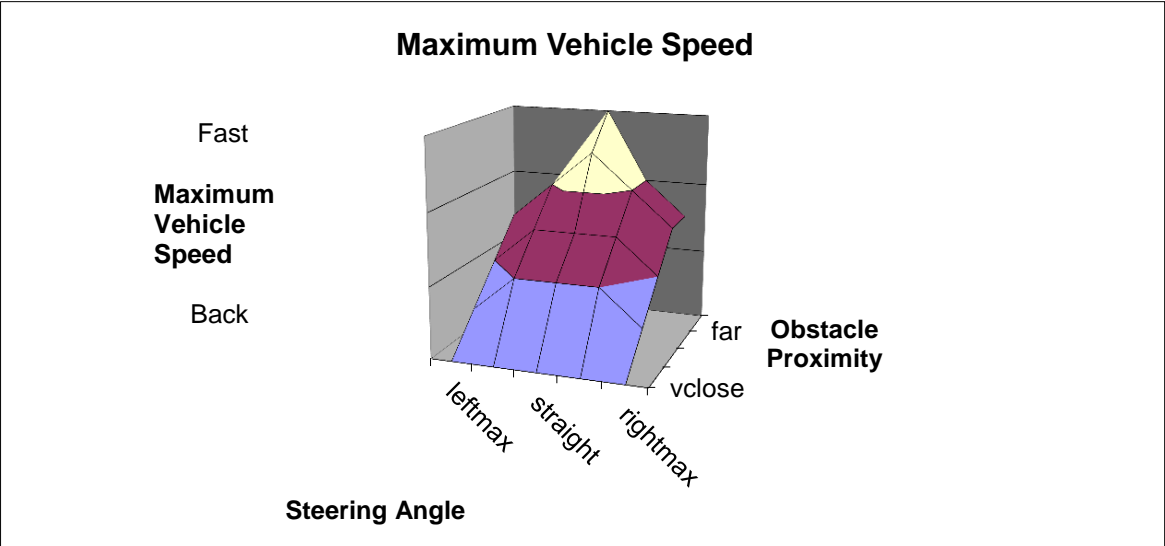
Relation '0'
Steering Direction



'Maximum Vehicle speed'							
0	1	2	3	4	5	6	7
NULL	BACK	STOP	vslow	slow	med	fast	vfast

1	1	1	1	1	vclose	Relation'1' obstacle proximity
2	3	3	3	2	close	
3	4	4	4	3	med	
4	5	6	5	4	far	
4	5	7	5	4	Vfar	

leftmax	left	straight	right	rightmax
Relation '0' Steering Angle				



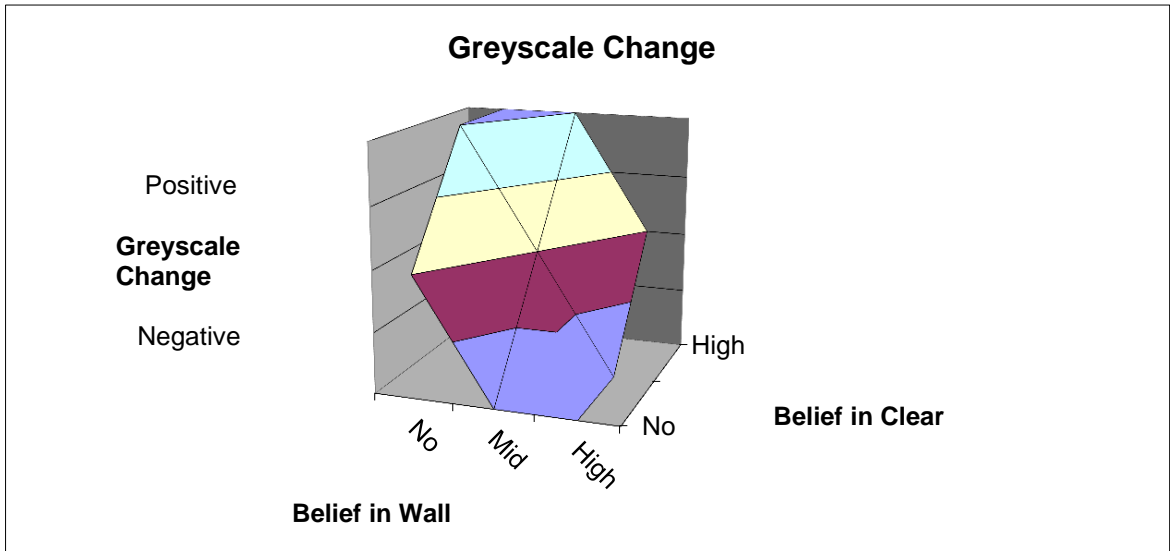
'Gray scale change'

0	1	2	3
NULL	negative	none	positive

2	1	1
3	2	1
3	3	2

No	Relation '1'
Mid	Belief in Clear
High	

No	Mid	High
Relation '0'	Belief in Wall	

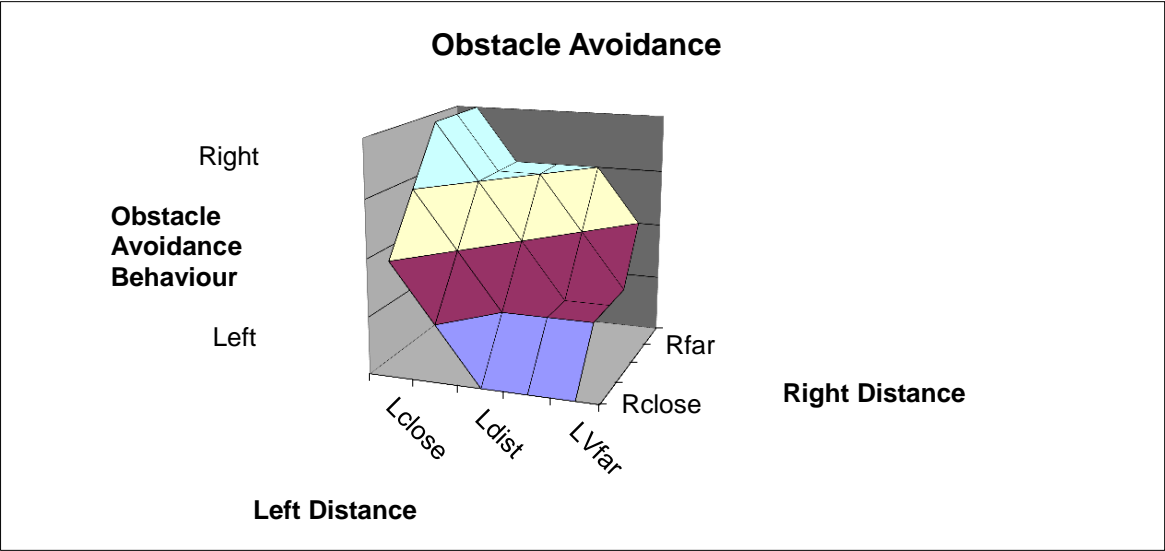


'Left Vs Right obstacle avoidance'

0	1	2	3	4	5
NULL	LEFT	LEFTish	Straight	RIGHTish	RIGHT

3	2	1	1	1	Rclose	Relation'1'
4	3	2	2	2	Rnear	'Right DISTANCE'
5	4	3	2	2	Rdist	
5	4	4	3	2	Rfar	
5	4	4	4	3	RVfar	

Lclose	Lnear	Ldist	Lfar	LVfar
Relation '0'		'Left Distance'		



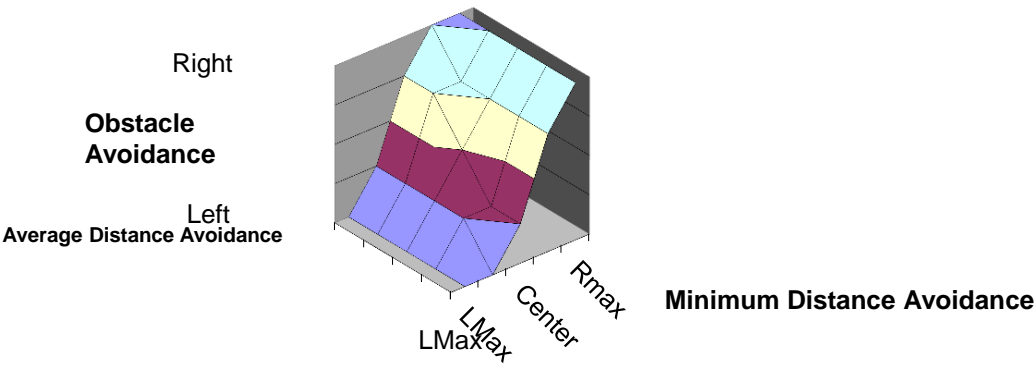
'Min Vs average obstacle avoidance'

0	1	2	3	4	5
NULL	LEFT	LEFTish	Straight	RIGHTish	RIGHT

1	1	2	4	5	LMax	Relation'1'
1	2	2	4	5	Lish	'average distance
1	2	3	4	5	Center	
1	2	4	4	5	Rish	
1	2	4	5	5	RMax	

LMax	Lish	Center	Rish	Rmax
Relation '0'		'Minimum distance obstacle avoidance'		

Minimum V`s Average Distance obstacle Avoidance Behaviour



'Vehicle speed'							
0	1	2	3	4	5	6	7
NULL	BACK	STOP	vslow	slow	med	fast	vfast

1	1	1	1	1
2	2	2	2	2
3	3	4	3	3
3	4	4	4	3
3	4	5	4	3
4	5	6	5	4
4	5	7	5	4

BACK

Relation'1'

vehicle speed'

Left

Lish

straight

Rish

Right

Relation '0'

Target direction error

