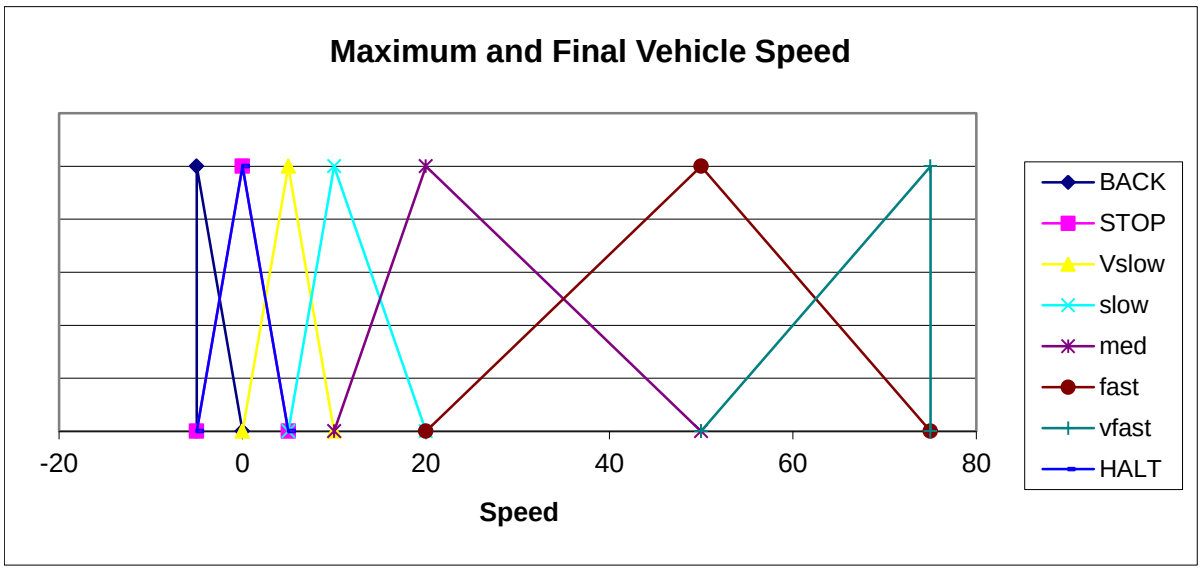
Maximum Vehicle speed			
Range			
Minimum	Maximum	Name	
-10	75	Maxspeed	
Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	HALT

Memberships			
Minimum	Medium	Maximum	Name
-5	-5	0	BACK
-5	0	5	STOP
0	5	10	Vslow
5	10	20	slow
10	20	50	med
20	50	75	fast
50	75	75	vfast

Final Vehicle speed			
Range			
Minimum	Maximum	Name	
-10	75	Maxspeed	
Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	HALT

Memberships			
Minimum	Medium	Maximum	Name
-5	-5	0	BACK
-5	0	5	STOP
0	5	10	Vslow
5	10	20	slow
10	20	50	med
20	50	75	fast
50	75	75	vfast

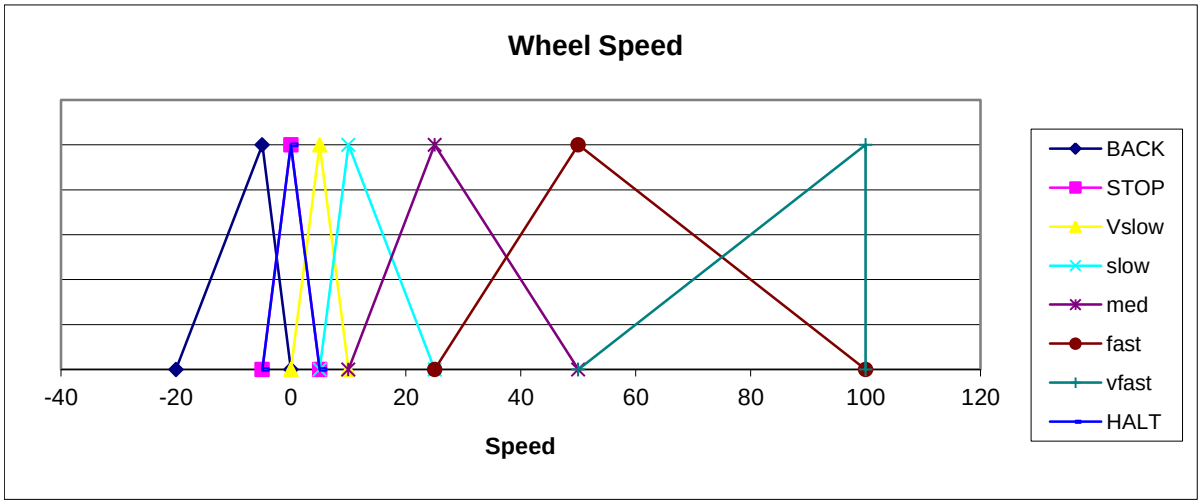


Speed restriction due to error in target direction			
Range			
Minimum	Maximum	Name	
-10	75	Fin_speed	
Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	HALT

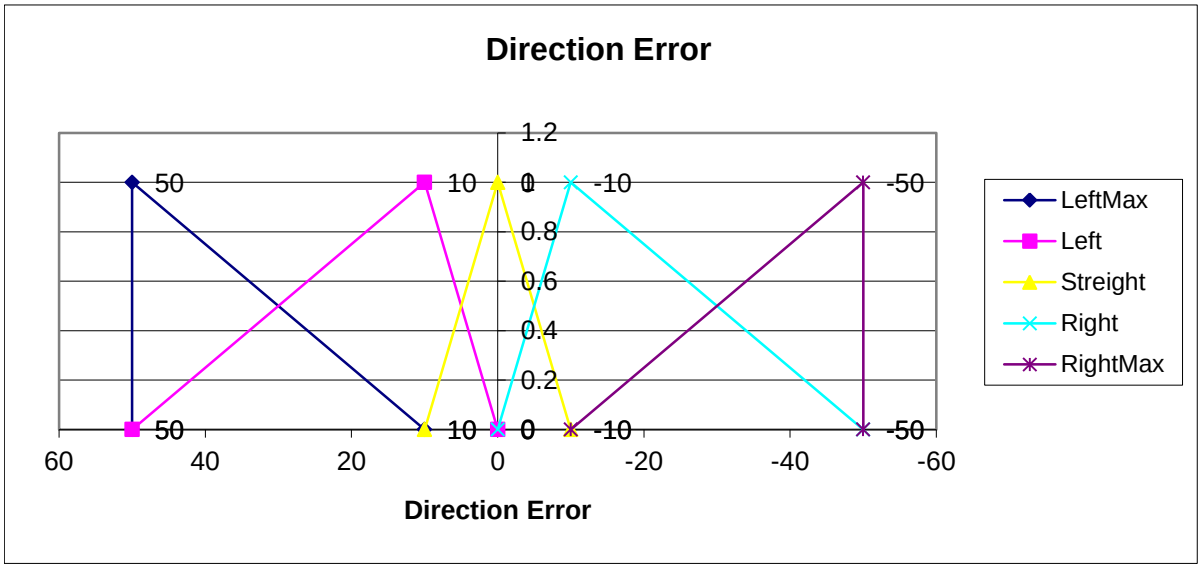
Memberships			
Minimum	Medium	Maximum	Name
-5	-5	0	BACK
-5	0	5	STOP
0	5	10	Vslow
5	10	20	slow
10	20	50	med
20	50	75	fast
50	75	75	vfast

Left wheel speed							
Range				Memberships			
Minimum	Maximum	Name		Minimum	Medium	Maximum	Name
-20	100	L-Drive		-20	-5	0	Back
				-5	0	5	Stop
Hedge				0	5	10	Vslow
Minimum	Medium	Maximum	Name	5	10	25	Slow
-5	0	5	HALT	10	25	50	Med
				25	50	100	fast
				50	100	100	Vfast

Right wheel speed							
Range				Memberships			
Minimum	Maximum	Name		Minimum	Medium	Maximum	Name
-20	100	R-Drive		-20	-5	0	Back
				-5	0	5	Stop
Hedge				0	5	10	Vslow
Minimum	Medium	Maximum	Name	5	10	25	Slow
-5	0	5	HALT	10	25	50	Med
				25	50	100	fast
				50	100	100	Vfast

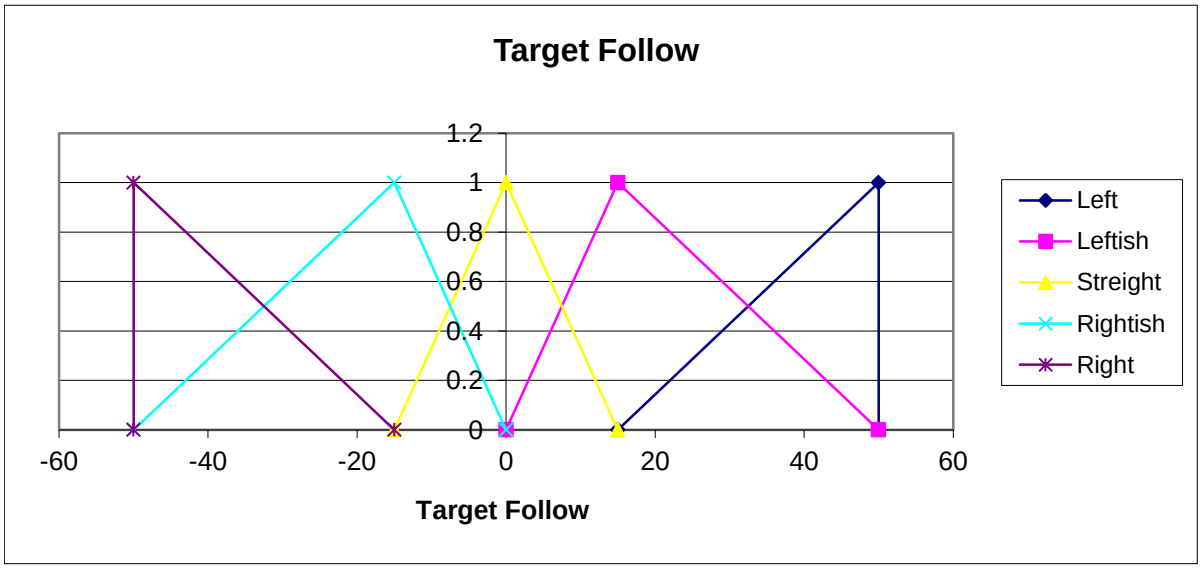


Direction error					
Range			Memberships		
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
-20	100	Dir_error	10	50	50	LeftMax
			0	10	50	Left
			-10	0	10	Straight
			-50	-10	0	Right
			-50	-50	-10	RightMax

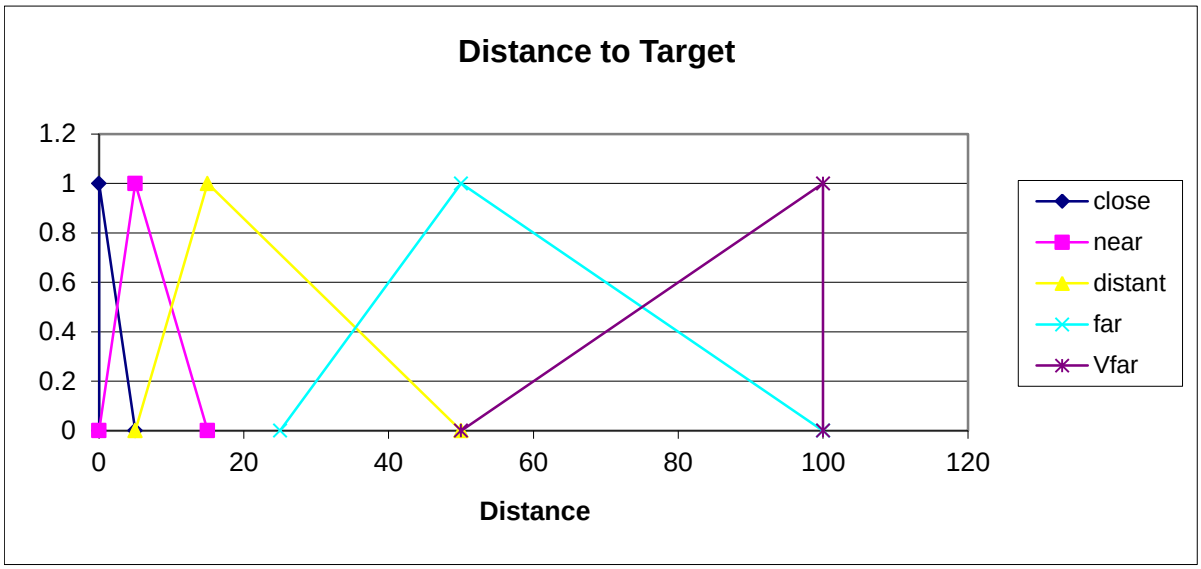


Target follow						
Range			Memberships			
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
-20	100	L-Drive	15	50	50	Left
			0	15	50	Leftish
			-15	0	15	Straight
			-50	-15	0	Rightish
			-50	-50	-15	Right

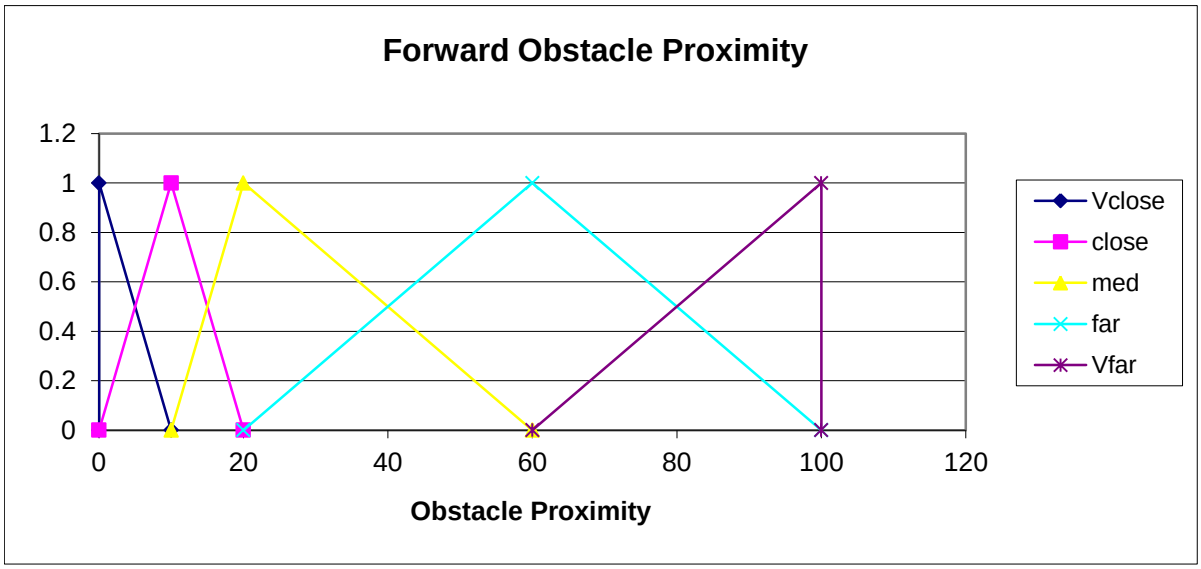
Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	STRAIGHT



Distance to target					
Range			Memberships		
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
0	100	Dist_targ	0	0	5	close
			0	5	15	near
			5	15	50	distant
			25	50	100	far
			50	100	100	Vfar

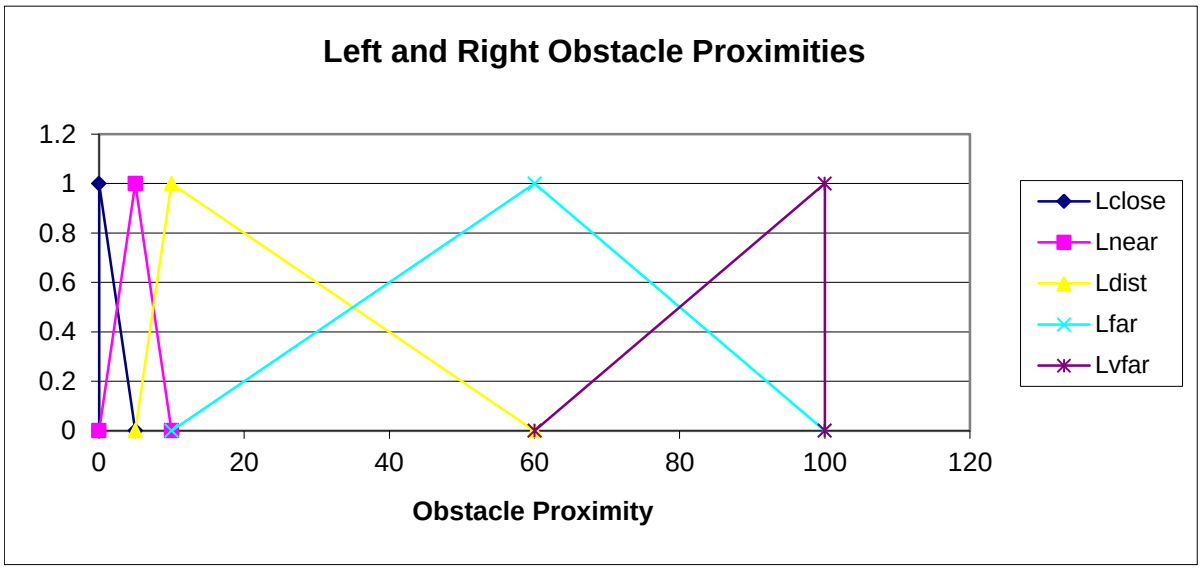


Forward Obstacle proximity					
Range			Memberships		
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
0	100	ObsDist	0	0	10	Vclose
			0	10	20	close
			10	20	60	med
			20	60	100	far
			60	100	100	Vfar



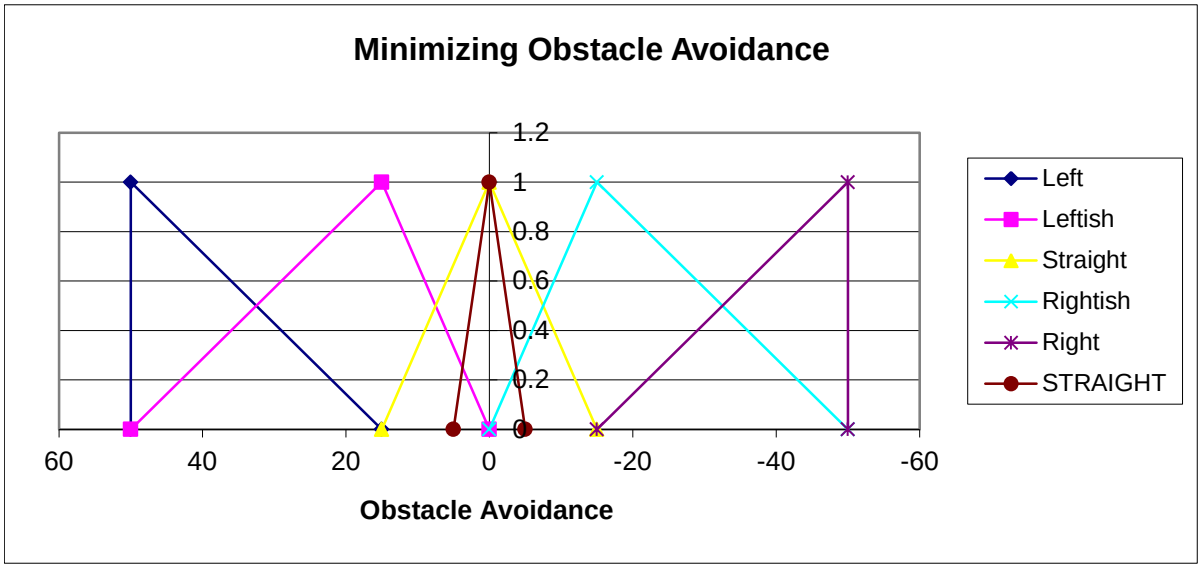
Left obstacle proximity						
Range			Memberships			
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
0	100	LeftDis	0	0	5	Lclose
			0	5	10	Lnear
			5	10	60	Ldist
			10	60	100	Lfar
			60	100	100	Lvfar

Right obstacle proximity						
Range			Memberships			
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
0	100	RightDis	0	0	5	Lclose
			0	5	10	Lnear
			5	10	60	Ldist
			10	60	100	Lfar
			60	100	100	Lvfar



Minimum distance Avoidance behaviour						
Range			Memberships			
Minimum	Maximum	Name	Minimum	Medium	Maximum	Name
-50	50	Obst_Min	15	50	50	Left
			0	15	50	Leftish
			-15	0	15	Straight
			-50	-15	0	Rightish
			-50	-50	-15	Right

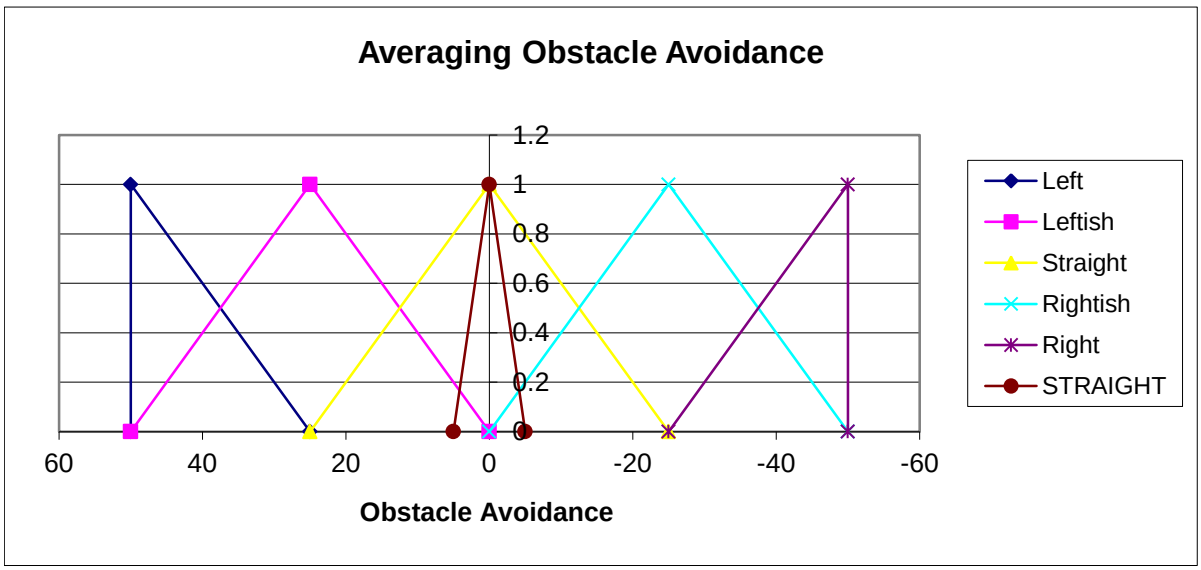
Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	STRAIGHT



Averaging Obstacle Avoidance behaviour			
Range			
Minimum		Maximum	Name
-50		50	Obst_Ave

Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	STRAIGHT

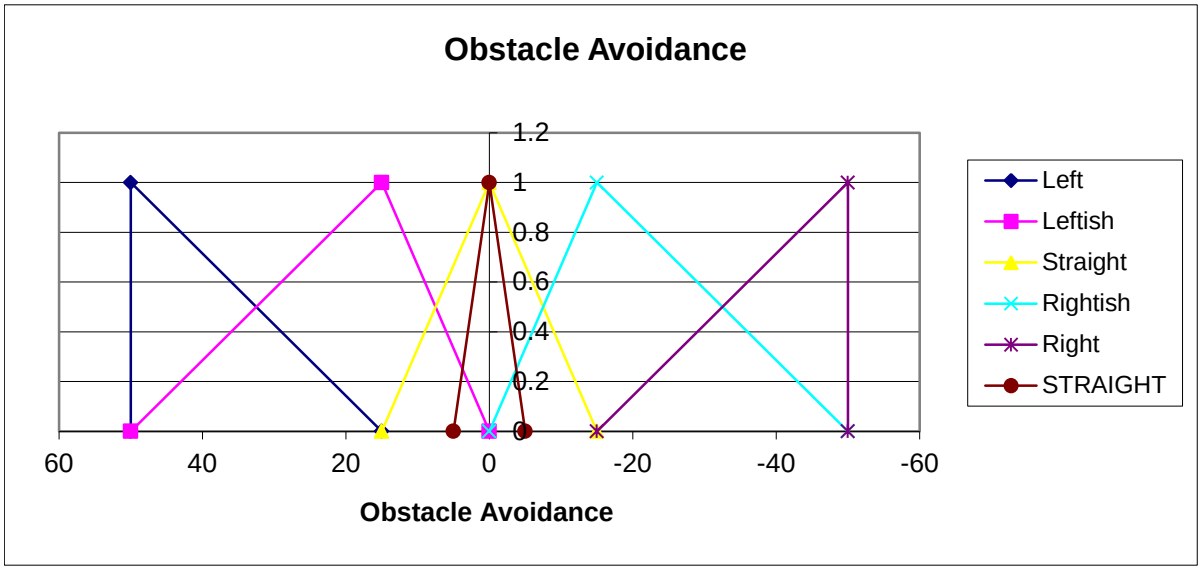
Memberships			
Minimum	Medium	Maximum	Name
25	50	50	Left
0	25	50	Leftish
-25	0	25	Straight
-50	-25	0	Rightish
-50	-50	-25	Right



Obstacle Avoidance behaviour			
Range			
Minimum		Maximum	Name
-50		50	Obst_Ave

Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	STRAIGHT

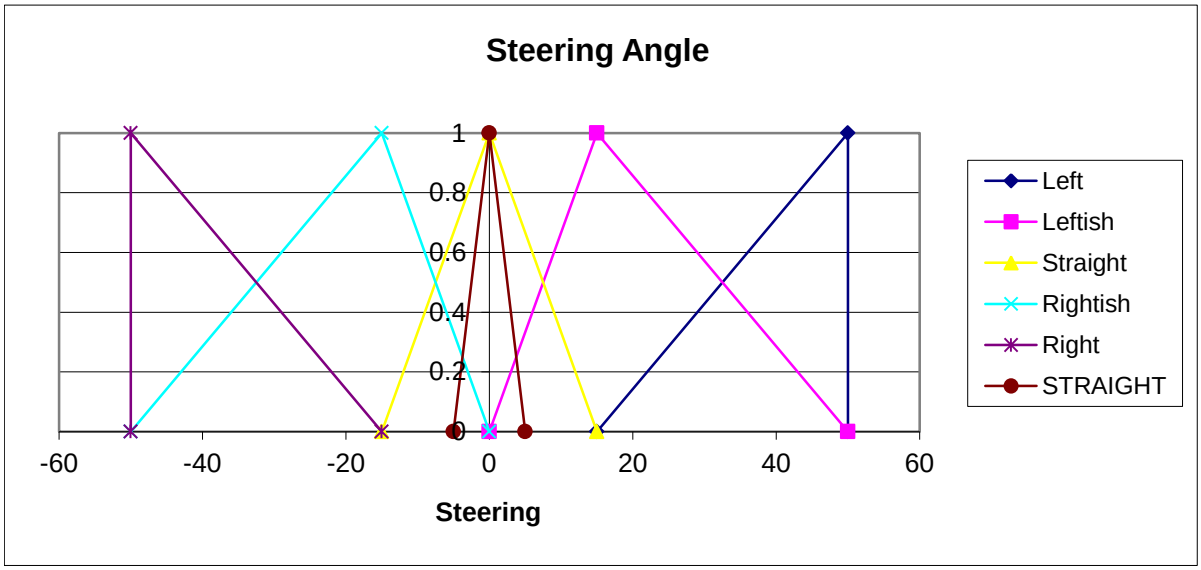
Memberships			
Minimum	Medium	Maximum	Name
15	50	50	Left
0	15	50	Leftish
-15	0	15	Straight
-50	-15	0	Rightish
-50	-50	-15	Right



Steering angle			
Range			
Minimum	Maximum	Name	
-50	50	Steering	

Hedge			
Minimum	Medium	Maximum	Name
-5	0	5	STRAIGHT

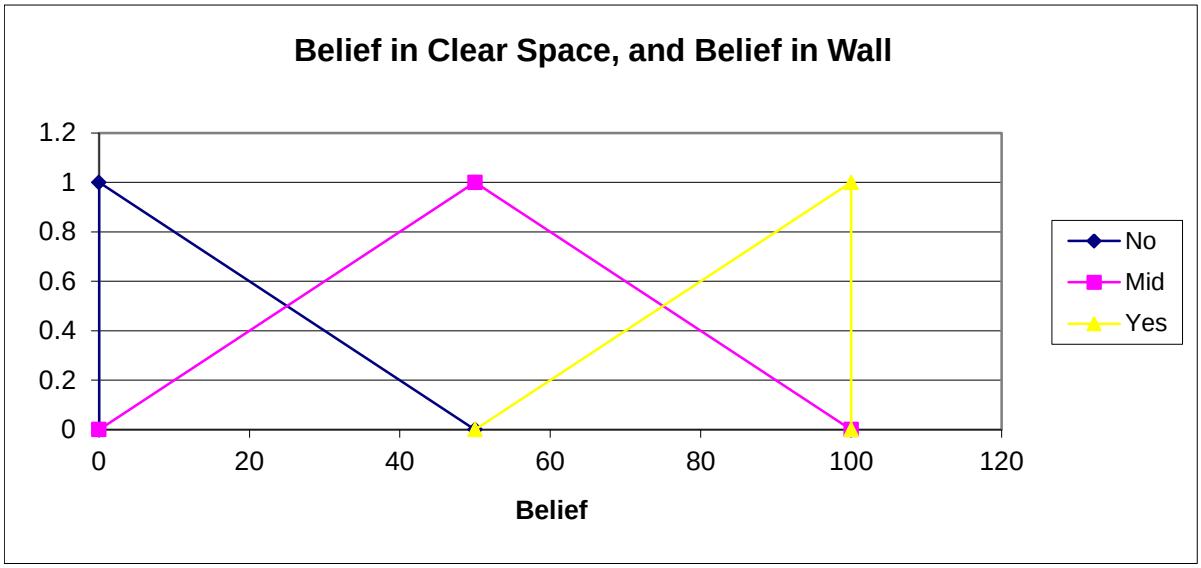
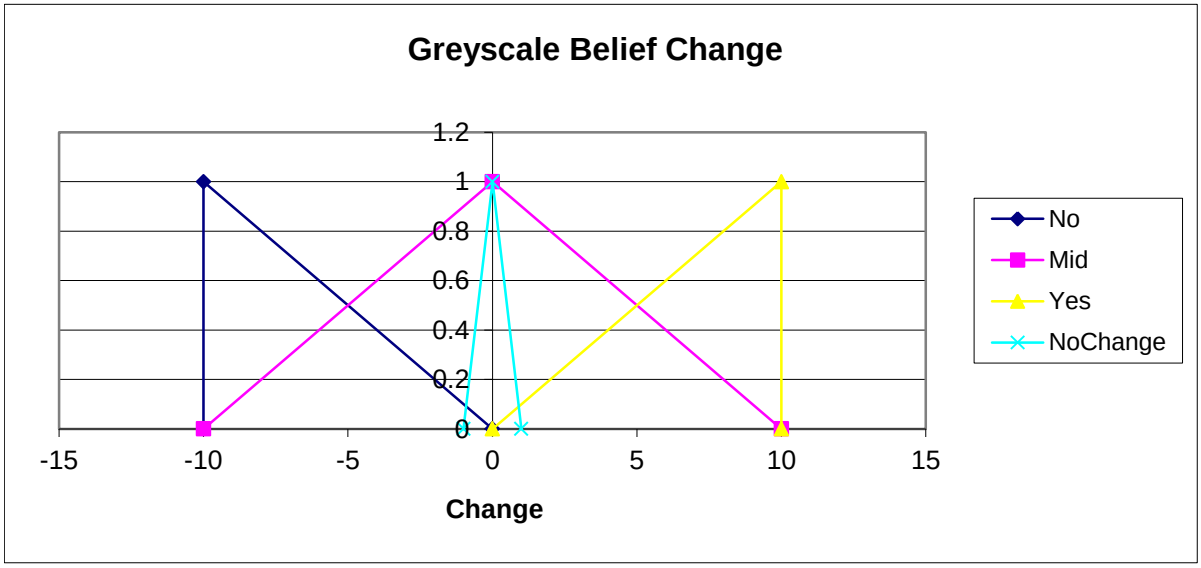
Memberships			
Minimum	Medium	Maximum	Name
15	50	50	Left
0	15	50	Leftish
-15	0	15	Straight
-50	-15	0	Rightish
-50	-50	-15	Right



Belief from fuzzy map in presence of a clear space			
Range			
Minimum	Maximum	Name	
0	100	BelieveC	

Memberships			
Minimum	Medium	Maximum	Name
0	0	50	No
0	50	100	Mid
50	100	100	Yes

Belief from fuzzy map in the presence of a wall							
				Memberships			
Range				Minimum	Medium	Maximum	Name
Minimum	Maximum	Name		0	0	50	No
0	100	BelieveW		0	50	100	Mid
				50	100	100	Yes



Gray scale change in response to fuzzy map evaluation							
Range				Memberships			
Minimum	Maximum	Name		Minimum	Medium	Maximum	Name
-10	10	GreyChange		-10	-10	0	No
				-10	0	10	Mid
Hedge				0	10	10	Yes
Minimum	Medium	Maximum	Name				
-1	0	1	NoChange