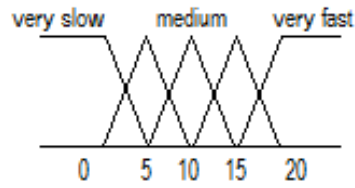
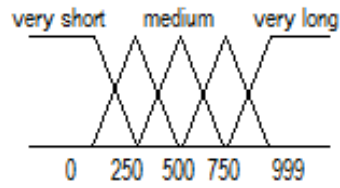


Membership function:



speed



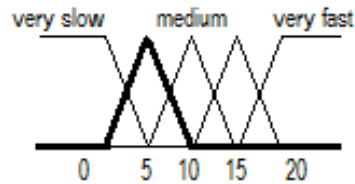
distance



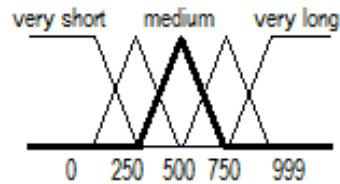
brake

Rules:

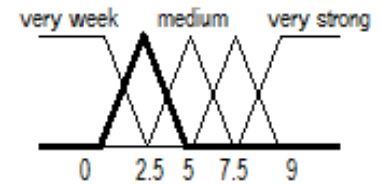
1. IF speed slow AND distance medium THEN brake weak.



speed

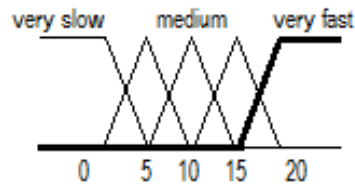


distance

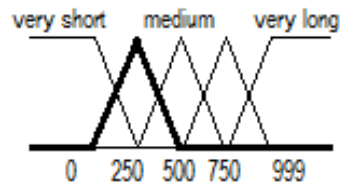


brake

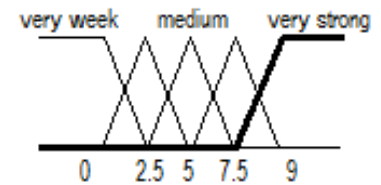
2. IF speed very fast AND distance short THEN brake very strong.



speed

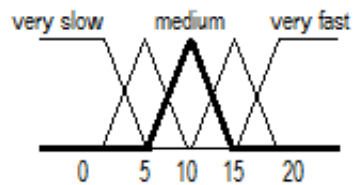


distance

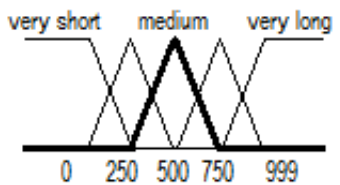


brake

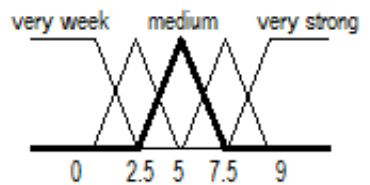
3. IF speed medium AND distance medium THEN brake medium.



speed

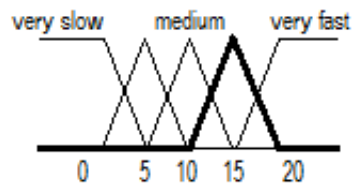


distance

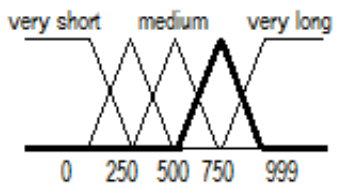


brake

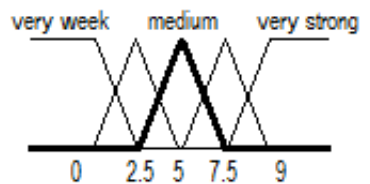
4. IF speed fast AND distance long THEN brake medium.



speed

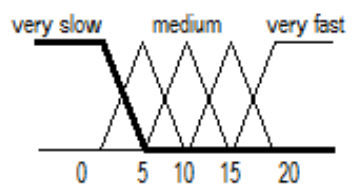


distance

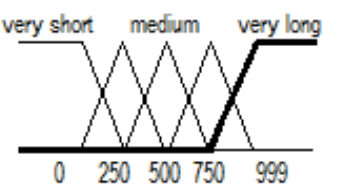


brake

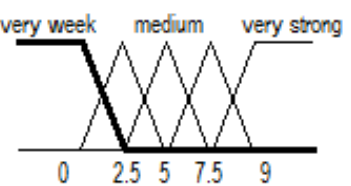
5. IF speed very slow AND distance very long THEN brake very weak.



speed

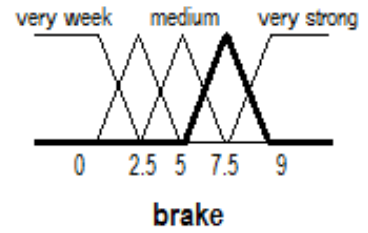
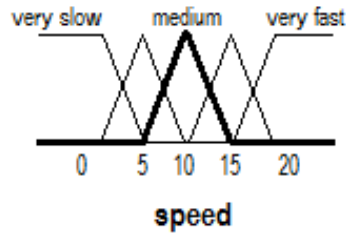


distance

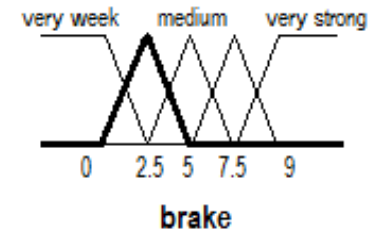
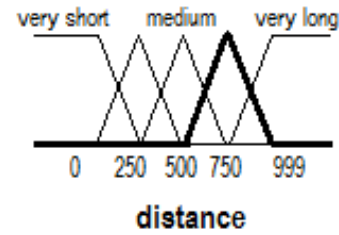
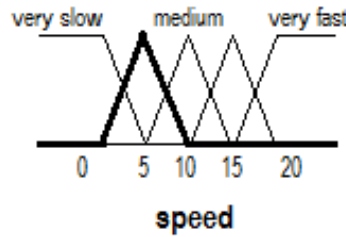


brake

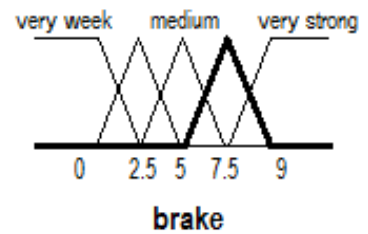
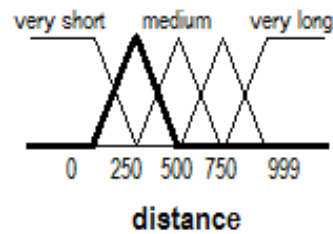
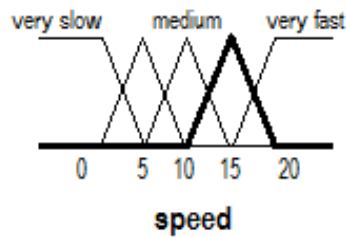
6. IF speed medium AND distance very short THEN brake strong.



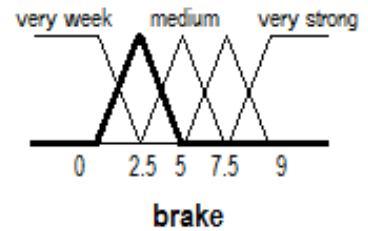
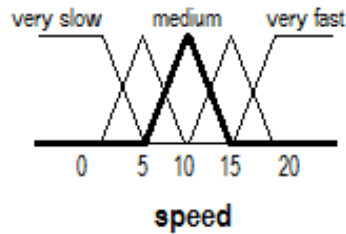
7. IF speed slow AND distance long THEN brake weak.



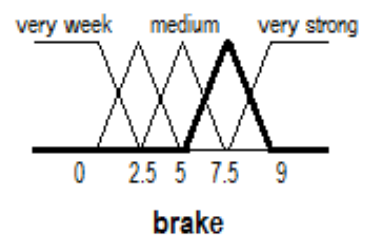
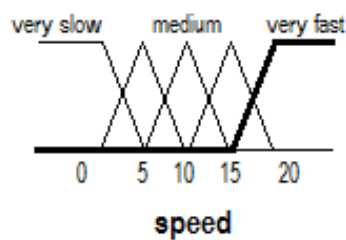
8. IF speed fast AND distance short THEN brake strong.



9. IF speed medium AND distance very long THEN brake weak.



10. IF speed very fast AND distance medium THEN brake strong.



Big table:

Rule 1							Rule 2						
V	μ	a	μ	x	μ	M	V	μ	a	μ	x	μ	M
17	0	666	0,34	0	0	0	17	0,4	666	0	0	0	0
	0		0,34	1	0,4	0		0,4		0	1	0	0
	0		0,34	2	0,8	0		0,4		0	2	0	0
	0		0,34	3	0,8	0		0,4		0	3	0	0
	0		0,34	4	0,4	0		0,4		0	4	0	0
	0		0,34	5	0	0		0,4		0	5	0	0
	0		0,34	6	0	0		0,4		0	6	0	0
	0		0,34	7	0	0		0,4		0	7	0	0
	0		0,34	8	0	0		0,4		0	8	0,33	0
	0		0,34	9	0	0		0,4		0	9	1	0

Rule 3							Rule 4						
V	μ	a	μ	x	μ	M	V	μ	a	μ	x	μ	M
17	0	666	0,34	0	0	0	17	0,6	666	0,66	0	0	0
	0		0,34	1	0	0		0,6		0,66	1	0	0
	0		0,34	2	0	0		0,6		0,66	2	0	0
	0		0,34	3	0,2	0		0,6		0,66	3	0,2	0,12
	0		0,34	4	0,6	0		0,6		0,66	4	0,6	0,36
	0		0,34	5	1	0		0,6		0,66	5	1	0,6
	0		0,34	6	0,6	0		0,6		0,66	6	0,6	0,36
	0		0,34	7	0,2	0		0,6		0,66	7	0,2	0,12
	0		0,34	8	0	0		0,6		0,66	8	0	0
	0		0,34	9	0	0		0,6		0,66	9	0	0

Rule 5							Rule 6						
V	μ	a	μ	x	μ	M	V	μ	a	μ	x	μ	M
17	0	666	0	0	1	0	17	0	666	0	0	0	0
	0		0	1	0,6	0		0		0	1	0	0
	0		0	2	0,2	0		0		0	2	0	0
	0		0	3	0	0		0		0	3	0	0
	0		0	4	0	0		0		0	4	0	0
	0		0	5	0	0		0		0	5	0	0
	0		0	6	0	0		0		0	6	0,4	0
	0		0	7	0	0		0		0	7	0,8	0
	0		0	8	0	0		0		0	8	0,67	0
	0		0	9	0	0		0		0	9	0	0

Rule 7							Rule 8						
V	μ	a	μ	x	μ	M	V	μ	a	μ	x	μ	M
17	0	666	0,66	0	0	0	17	0,6	666	0	0	0	0
	0		0,66	1	0,4	0		0,6		0	1	0	0
	0		0,66	2	0,8	0		0,6		0	2	0	0
	0		0,66	3	0,8	0		0,6		0	3	0	0
	0		0,66	4	0,4	0		0,6		0	4	0	0
	0		0,66	5	0	0		0,6		0	5	0	0
	0		0,66	6	0	0		0,6		0	6	0,4	0
	0		0,66	7	0	0		0,6		0	7	0,8	0
	0		0,66	8	0	0		0,6		0	8	0,67	0
	0		0,66	9	0	0		0,6		0	9	0	0

Rule 9							Rule 10							M
V	μ	a	μ	x	μ	M	V	μ	a	μ	x	μ	M	
17	0	666	0	0	0	0	17	0,4	666	0,34	0	0	0	0
	0		0	1	0,4	0		0,4		0,34	1	0	0	0
	0		0	2	0,8	0		0,4		0,34	2	0	0	0
	0		0	3	0,8	0		0,4		0,34	3	0	0	0,12
	0		0	4	0,4	0		0,4		0,34	4	0	0	0,36
	0		0	5	0	0		0,4		0,34	5	0	0	0,6
	0		0	6	0	0		0,4		0,34	6	0,4	0,13	0,36
	0		0	7	0	0		0,4		0,34	7	0,8	0,27	0,27
	0		0	8	0	0		0,4		0,34	8	0,67	0,22	0,22
	0		0	9	0	0		0,4		0,34	9	0	0	0

3D Graphic:

