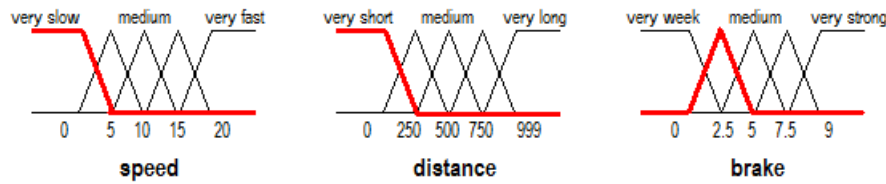
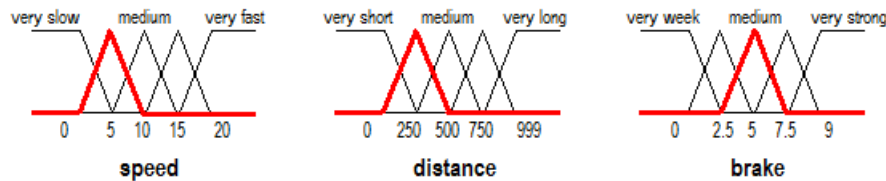


Membership function and rules:

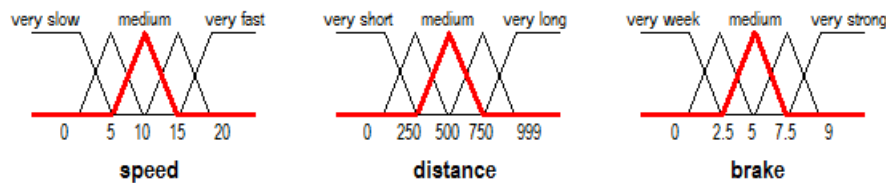
1) **IF** speed very slow **AND** distance very short **THEN** brake weak.



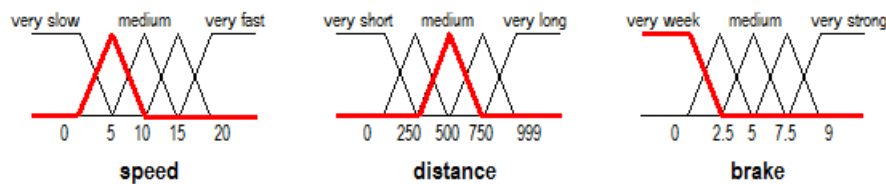
2) **IF** speed slow **AND** distance short **THEN** brake medium.



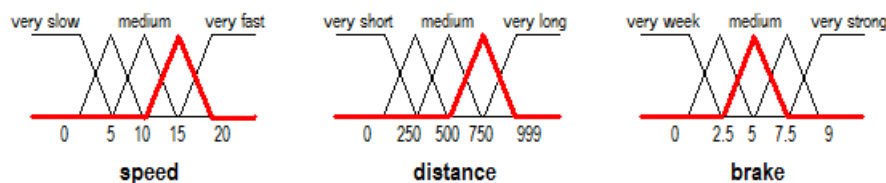
3) **IF** speed medium **AND** distance medium **THEN** brake medium.



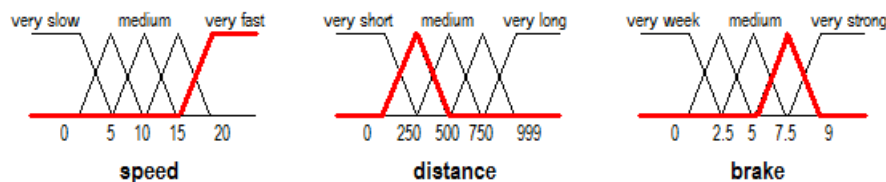
4) **IF** speed slow **AND** distance medium **THEN** brake very weak.



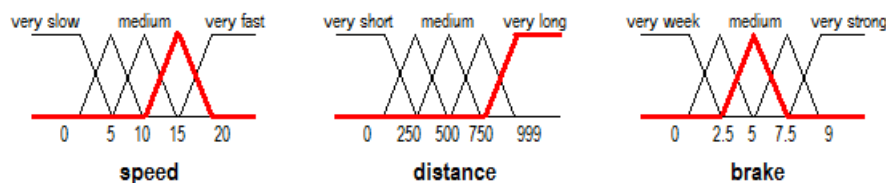
5) **IF** speed fast **AND** distance long **THEN** brake medium.



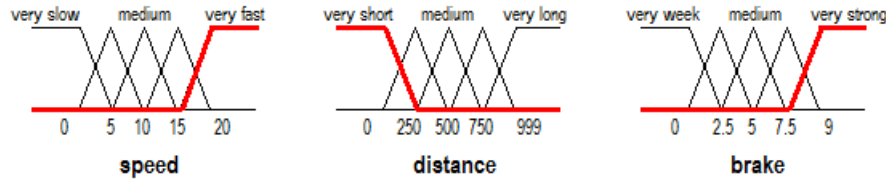
6) **IF** speed very fast **AND** distance short **THEN** brake strong.



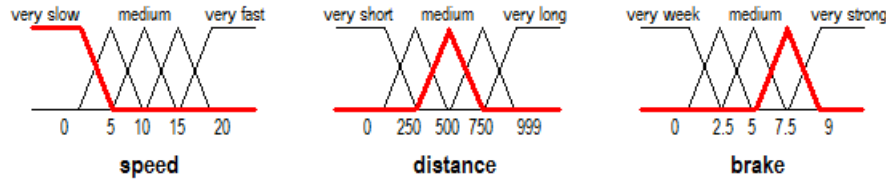
7) **IF** speed fast **AND** distance very long **THEN** brake medium.



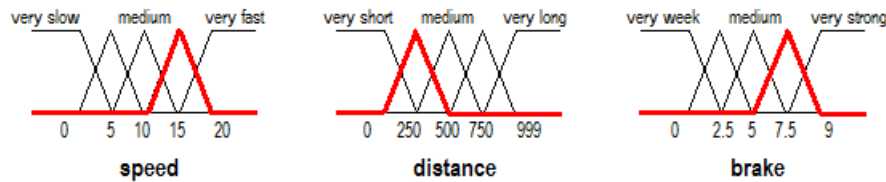
8) **IF** speed very fast **AND** distance very short **THEN** brake very strong.



9) **IF** speed very slow **AND** distance medium **THEN** brake strong.



10) **IF** speed fast **AND** distance short **THEN** brake very strong.



Big Table:

Rule 1							Rule 2							Rule 3							Rule 4							Rule 5						
v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M
14	0	673	0	0	0	0	14	0	673	0	0	0	0	14	0.2	673	0.31	0	0	0	14	0	673	0.3	0	1	0	14	0.8	673	0.69	0	0	0
14	0	673	0	1	0.4	0	14	0	673	0	1	0	0	14	0.2	673	0.31	1	0	0	14	0	673	0.3	1	0.6	0	14	0.8	673	0.69	1	0	0
14	0	673	0	2	0.8	0	14	0	673	0	2	0	0	14	0.2	673	0.31	2	0	0	14	0	673	0.3	2	0.2	0	14	0.8	673	0.69	2	0	0
14	0	673	0	3	0.8	0	14	0	673	0	3	0.2	0	14	0.2	673	0.31	3	0.2	0	14	0	673	0.3	3	0	0	14	0.8	673	0.69	3	0.2	0
14	0	673	0	4	0	0	14	0	673	0	4	0.6	0	14	0.2	673	0.31	4	0.6	0.1	14	0	673	0.3	4	0	0	14	0.8	673	0.69	4	0.6	0
14	0	673	0	5	0	0	14	0	673	0	5	1	0	14	0.2	673	0.31	5	1	0.2	14	0	673	0.3	5	0	0	14	0.8	673	0.69	5	1	0
14	0	673	0	6	0	0	14	0	673	0	6	0.6	0	14	0.2	673	0.31	6	0.2	0.1	14	0	673	0.3	6	0	0	14	0.8	673	0.69	6	0.6	0
14	0	673	0	7	0	0	14	0	673	0	7	0.2	0	14	0.2	673	0.31	7	0.6	0	14	0	673	0.3	7	0	0	14	0.8	673	0.69	7	0.2	0
14	0	673	0	8	0	0	14	0	673	0	8	0	0	14	0.2	673	0.31	8	0	0	14	0	673	0.3	8	0	0	14	0.8	673	0.69	8	0	0
14	0	673	0	9	0	0	14	0	673	0	9	0	0	14	0.2	673	0.31	9	0	0	14	0	673	0.3	9	0	0	14	0.8	673	0.69	9	0	0

Rule 6							Rule 7							Rule 8							Rule 9							Rule 10						
v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M	v	m	a	m	x	m	M
14	0	673	0	0	0	0	14	0.8	673	0	0	0	0	14	0	673	0	0	0	0	14	0	673	0.31	0	0	0	14	0.8	673	0	0	0	0
14	0	673	0	1	0	0	14	0.8	673	0	1	0	0	14	0	673	0	1	0	0	14	0	673	0.31	1	0	0	14	0.8	673	0	1	0	0
14	0	673	0	2	0	0	14	0.8	673	0	2	0	0	14	0	673	0	2	0	0	14	0	673	0.31	2	0	0	14	0.8	673	0	2	0	0
14	0	673	0	3	0	0	14	0.8	673	0	3	0.2	0	14	0	673	0	3	0	0	14	0	673	0.31	3	0	0	14	0.8	673	0	3	0	0.14
14	0	673	0	4	0	0	14	0.8	673	0	4	0.6	0	14	0	673	0	4	0	0	14	0	673	0.31	4	0	0	14	0.8	673	0	4	0	0.42
14	0	673	0	5	0	0	14	0.8	673	0	5	1	0	14	0	673	0	5	0	0	14	0	673	0.31	5	0	0	14	0.8	673	0	5	0	0.69
14	0	673	0	6	0.4	0	14	0.8	673	0	6	0.6	0	14	0	673	0	6	0	0	14	0	673	0.31	6	0.4	0	14	0.8	673	0	6	0	0.42
14	0	673	0	7	0.8	0	14	0.8	673	0	7	0.2	0	14	0	673	0	7	0	0	14	0	673	0.31	7	0.8	0	14	0.8	673	0	7	0	0.14
14	0	673	0	8	0.7	0	14	0.8	673	0	8	0	0	14	0	673	0	8	0.33	0	14	0	673	0.31	8	0.67	0	14	0.8	673	0	8	0.33	0
14	0	673	0	9	0	0	14	0.8	673	0	9	0	0	14	0	673	0	9	1	0	14	0	673	0.31	9	0	0	14	0.8	673	0	9	1	0

3D diagram:

