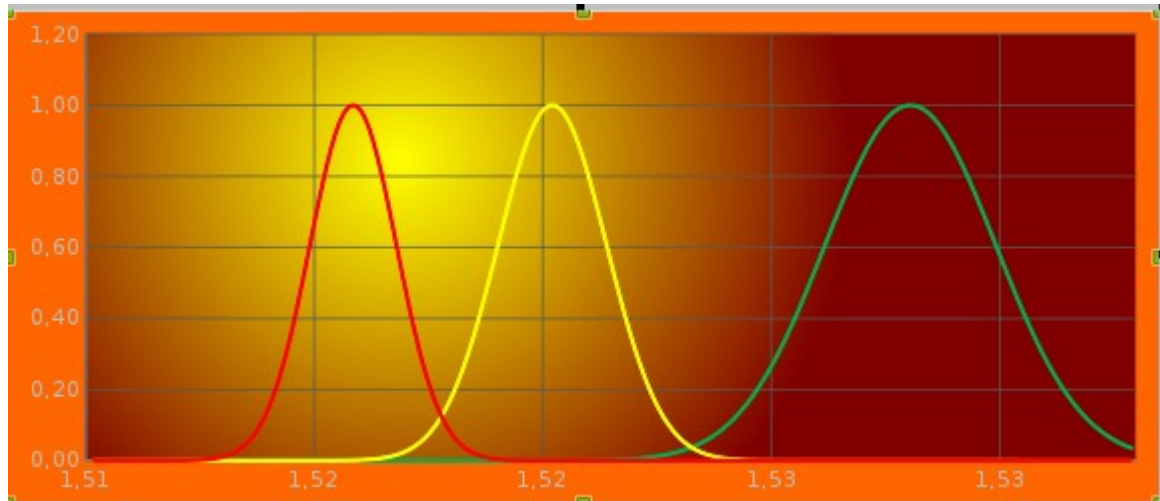


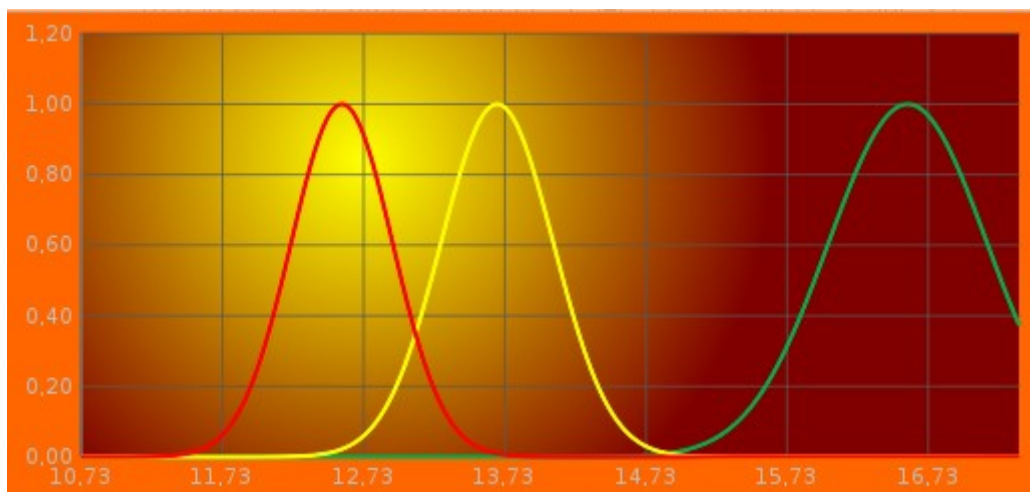
Contemporary Data Processing Technology(CCOD)
Burshtyn Alexander(AS-36)
Lab8(October 17,2016)

Membership functions:

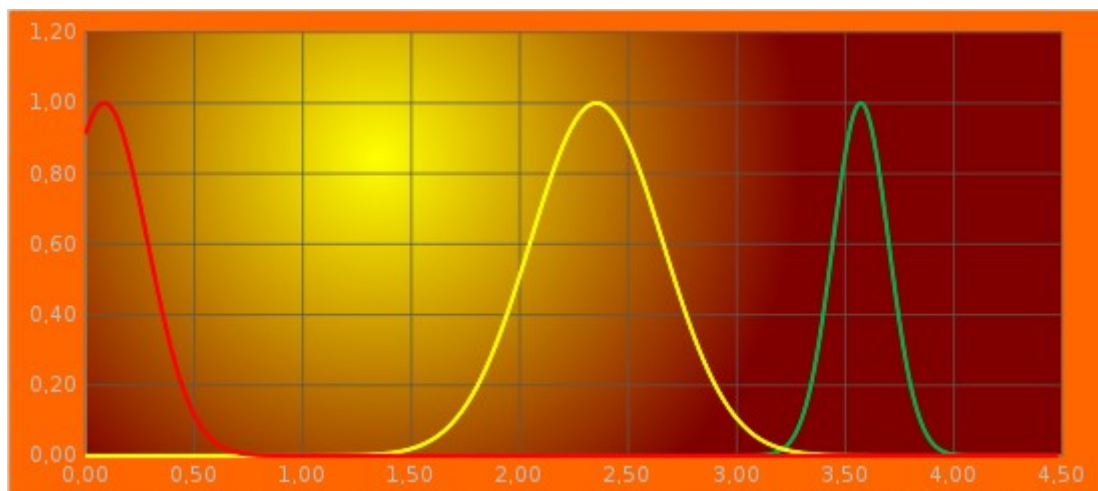
x1



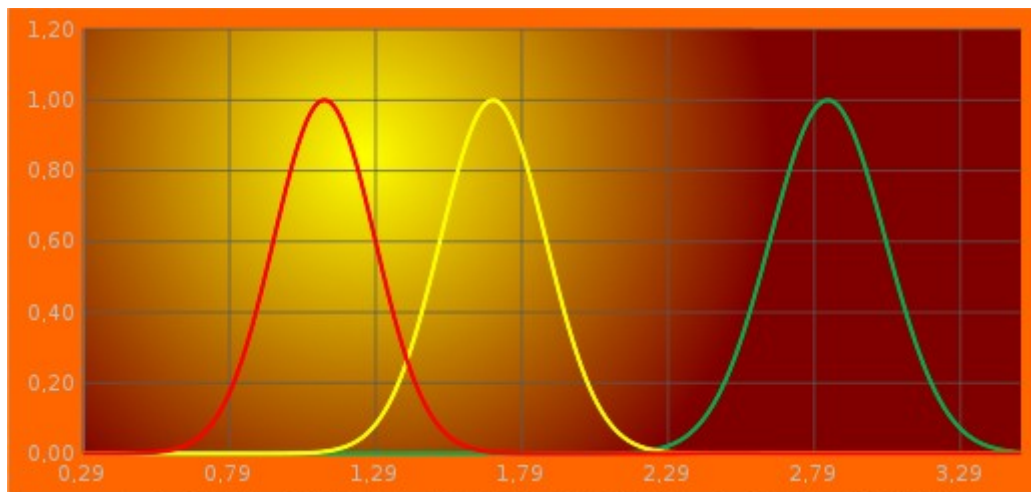
x2



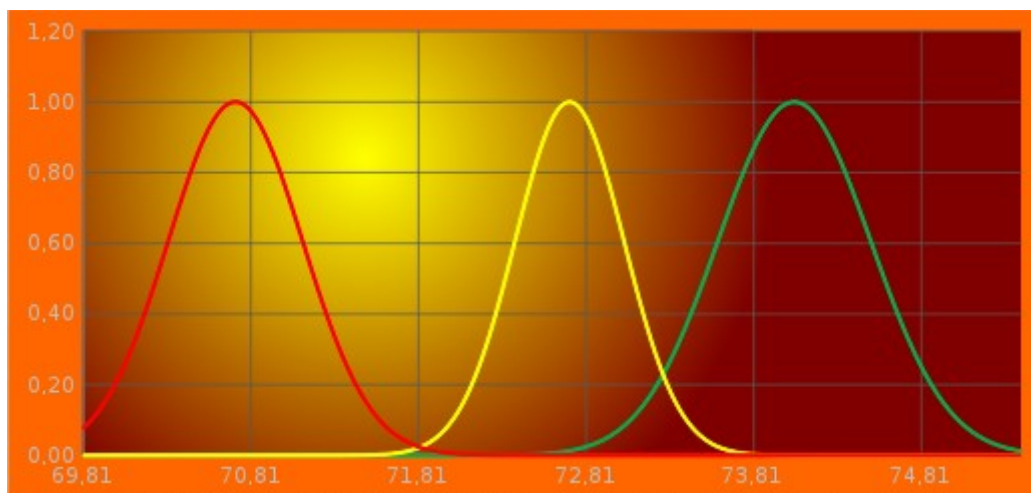
x3



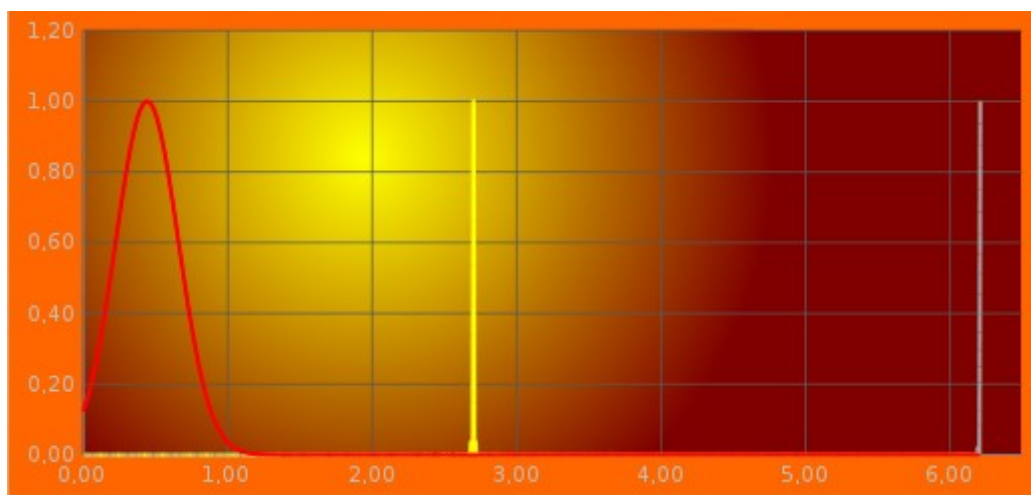
x4



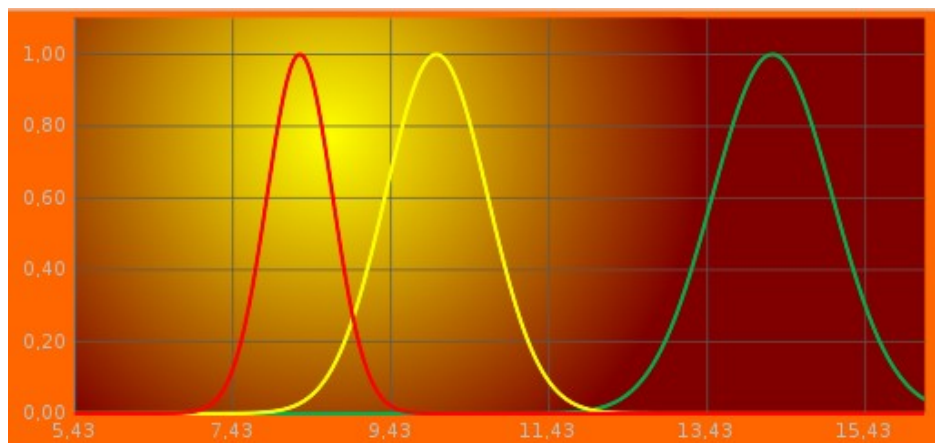
x5



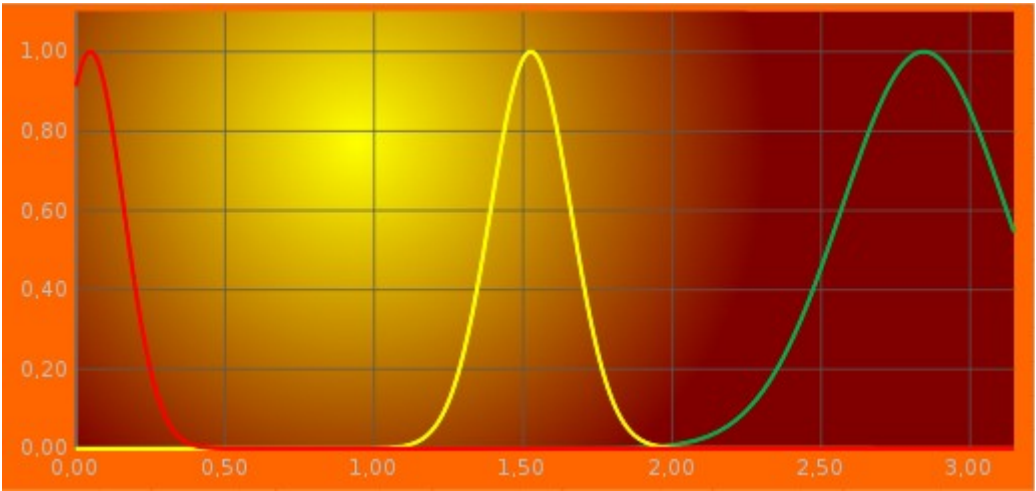
x6



x7



x8



x9

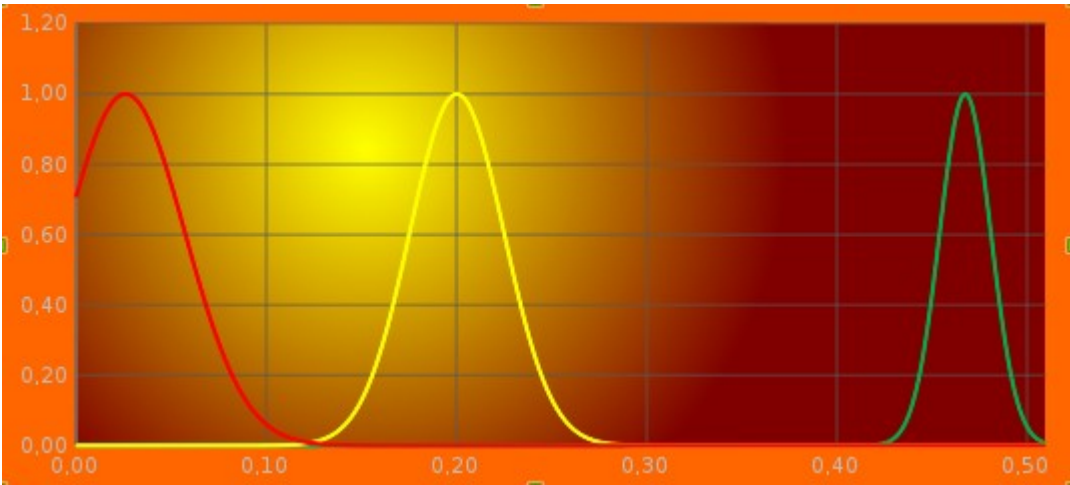


Table of rules:

if x1	and x2	and x3	and x4	and x5	and x6	and x7	and x8	and x9	then
small	small	small	small	medium	small	medium	small	small	1
small	medium	large	medium	medium	small	small	small	small	2
small	medium	large	small	medium	small	small	small	small	3
medium	medium	small	medium	medium	small	small	small	small	4
small	small	small	medium	medium	small	medium	small	small	5
small	medium	small	medium	large	small	small	small	small	6
medium	medium	small	small	large	medium	large	small	medium	other

Validation table:

No	Type 1	Type 2	Type 3	Type 4	Type 5	Type 6
#1	3	3	3	5	5	6
#2	3	1	3	5		6
#3	3	2				4
#4	3	2				
#5	3	2				
#6	3	1				
#7	3	3				
Success rate	0%	43,00%	100%	0%	100%	67%

Using validation data we have build this table; as we can see, not all data fits rules, it may depend on two:

** we have chosen not right rules*

** Incorrect validation data*