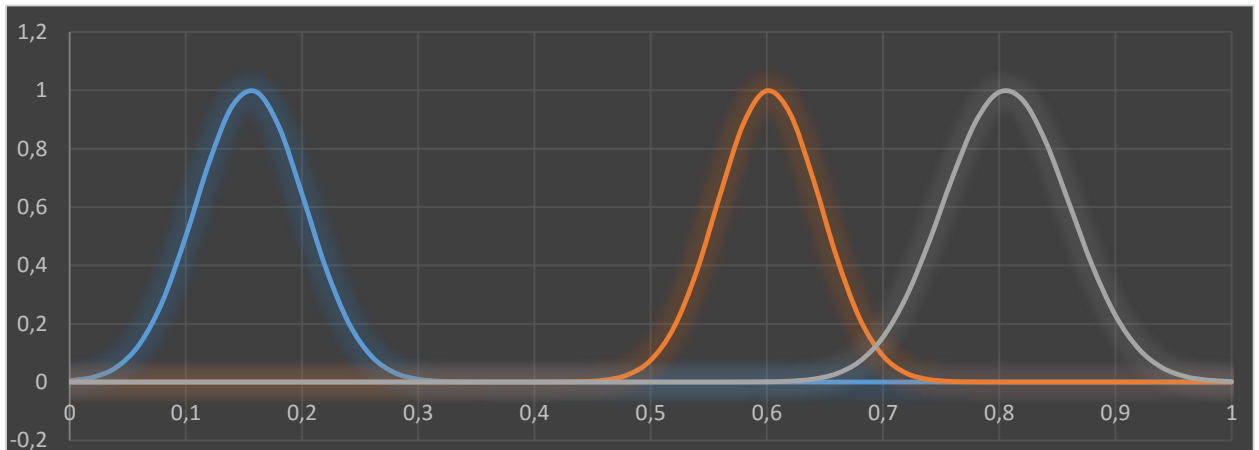**Contemporary Data Processing Technology (CCOD)**
Lab 6 (October 08, 2016)
Shurpo Dmitry, AS-36

Membership Function (Gaussian):

Rules for each family:

Rule 1: If x1=medium; x2=large; x3=small; x4=small, then Family **A**.

Rule 2: If x1=large; x2=medium;x3=medium;x4=medium, then Family **B**.

Rule 3: If x1=large; x2=medium; x3=medium; x4=large, then Family **C**.

Evaluate rules:

Data №:	Family A	Family B	Family C	Result:
№ 1	A	B	C	Good
№ 2	A	B	C	Good
№ 3	A	B	C	Good
№ 4	A	B	C	Good
№ 5	A	B	C	Good
№ 6	A	B	C	Good
№ 7	A	B	B	Not good
№ 8	A	Other	C	Not good
Success Rate:	100%	87.5%	87.5%	75%