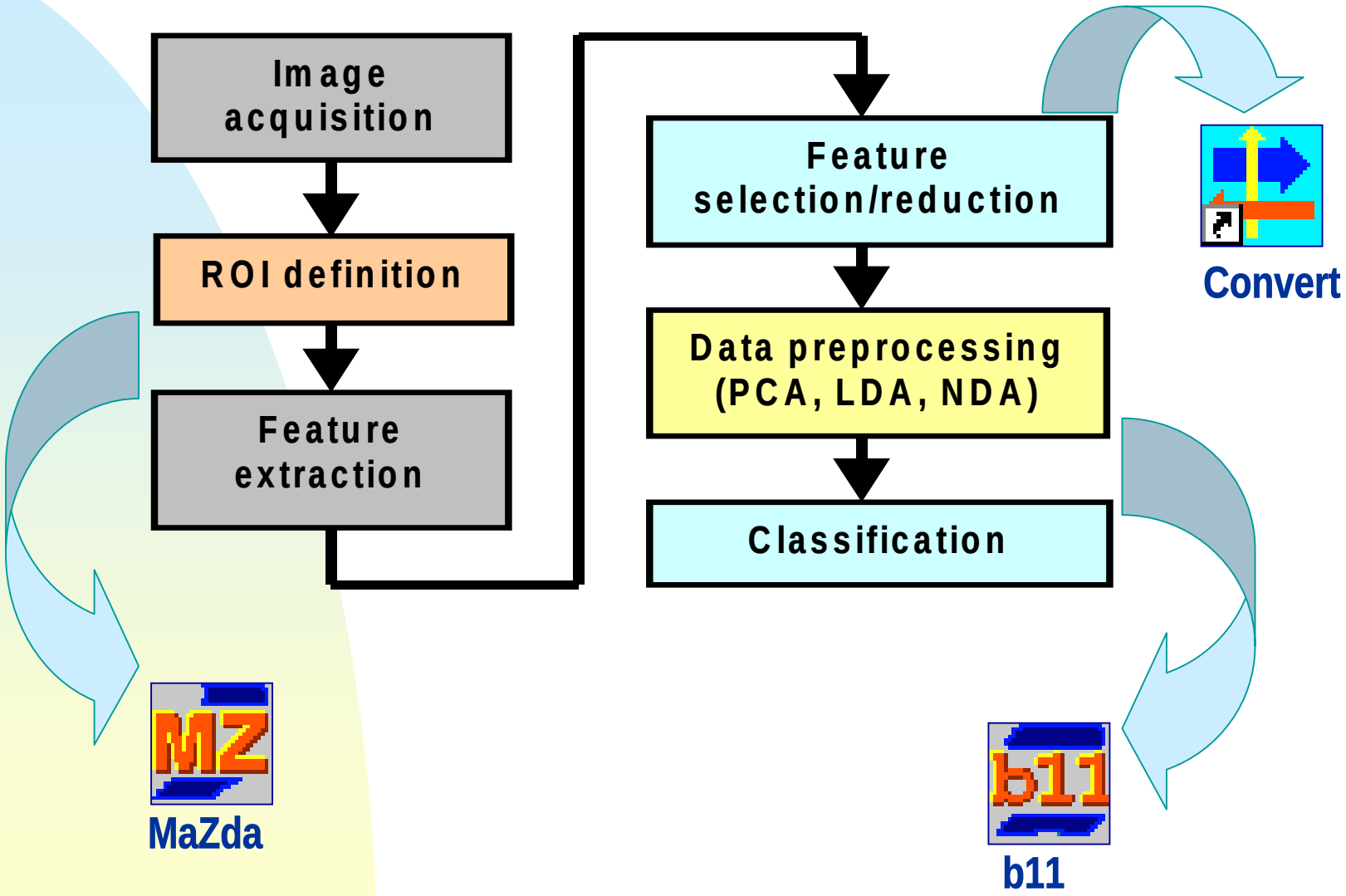
Functionality of B11 program

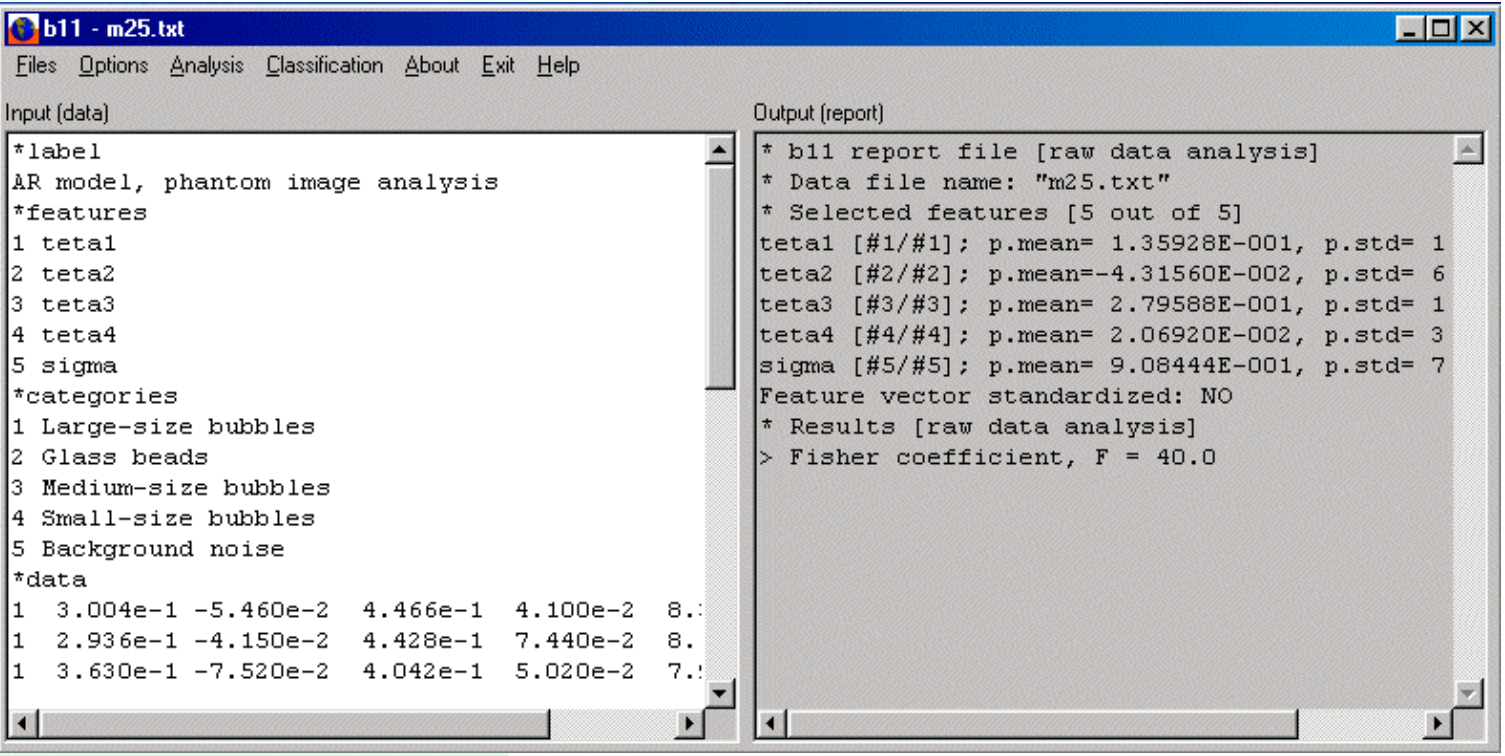
Andrzej MATERKA,

Technical University of Lodz, Poland

Methods

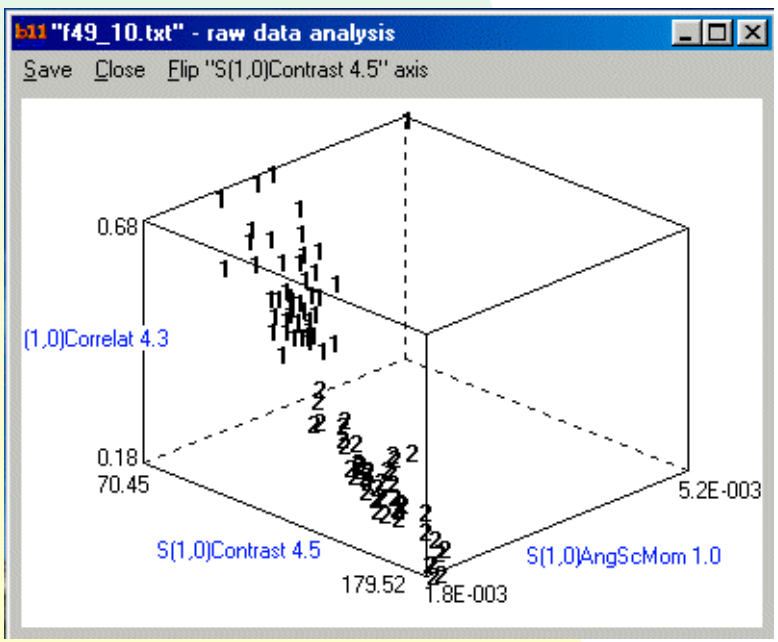


B11



Input
- (*.sel) files

Output
- text files,
- BMP graphs



Analysis, classification

Methods
- data analysis: raw, PCA, LDA, NDA
- classification: k-NN, neural network

b11 - Options

Feature selection box

- [x] GrMean
- [x] S(1, 0)SumVarnc
- [x] S(1, 0)DifEntrp
- [x] S(0, 1)SumVarnc
- [x] S(1,-1)InvDfMom
- [x] S(4, 4)DifVarnc
- [x] S(4,-4)SumAverg
- [x] S(5, 0)DifVarnc
- [x] S(0, 5)Correlat

Neural network parameters

1st hidden layer <1..10>	2
2nd hidden layer <2..4>	2
backprop eta <0.01-0.99>	0.15
backprop iter.limit <50000..1000000>	300000
optimization iter. limit <1..1000>	50

ation

d category 1

OK