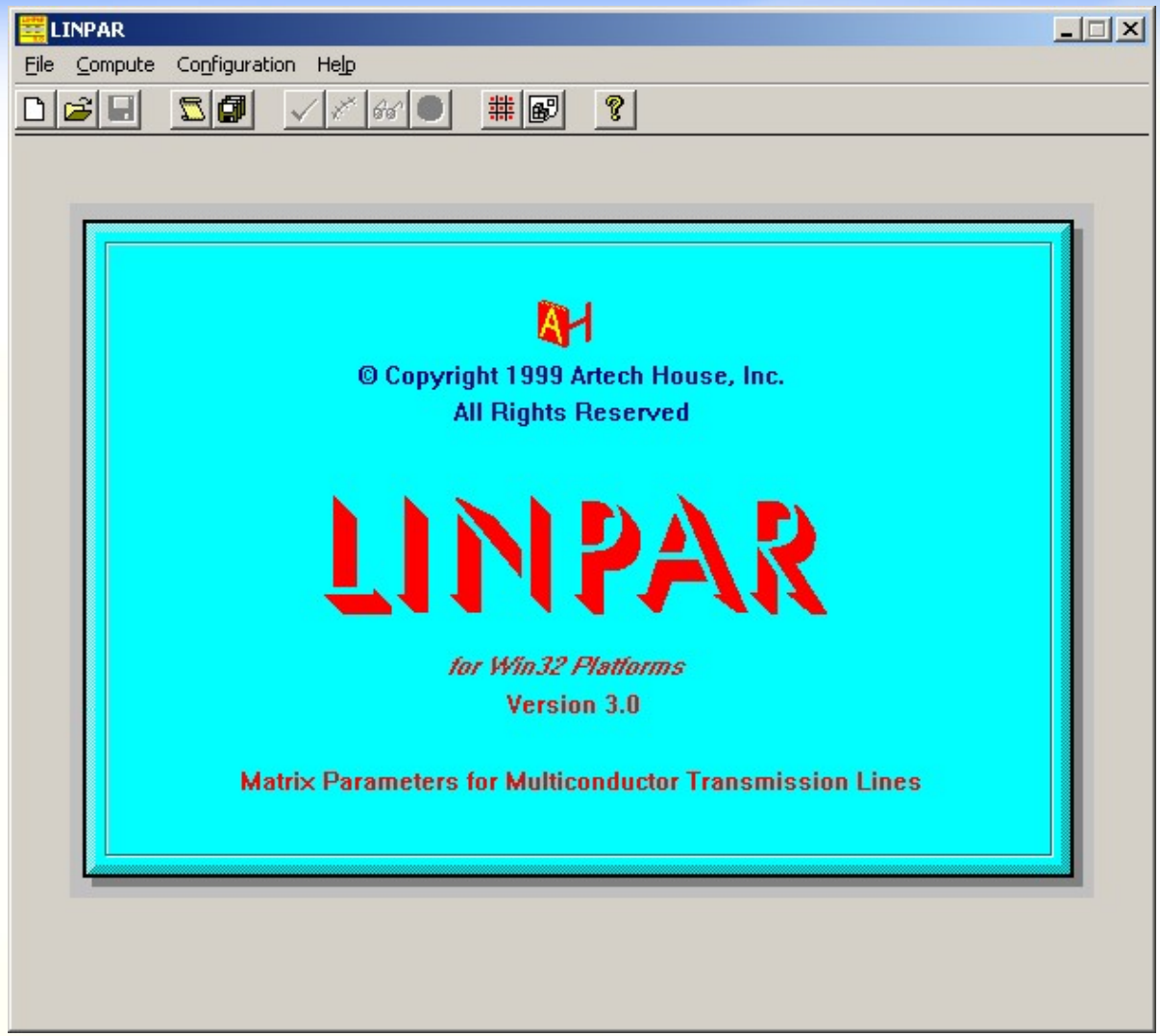
Документи за вежбе

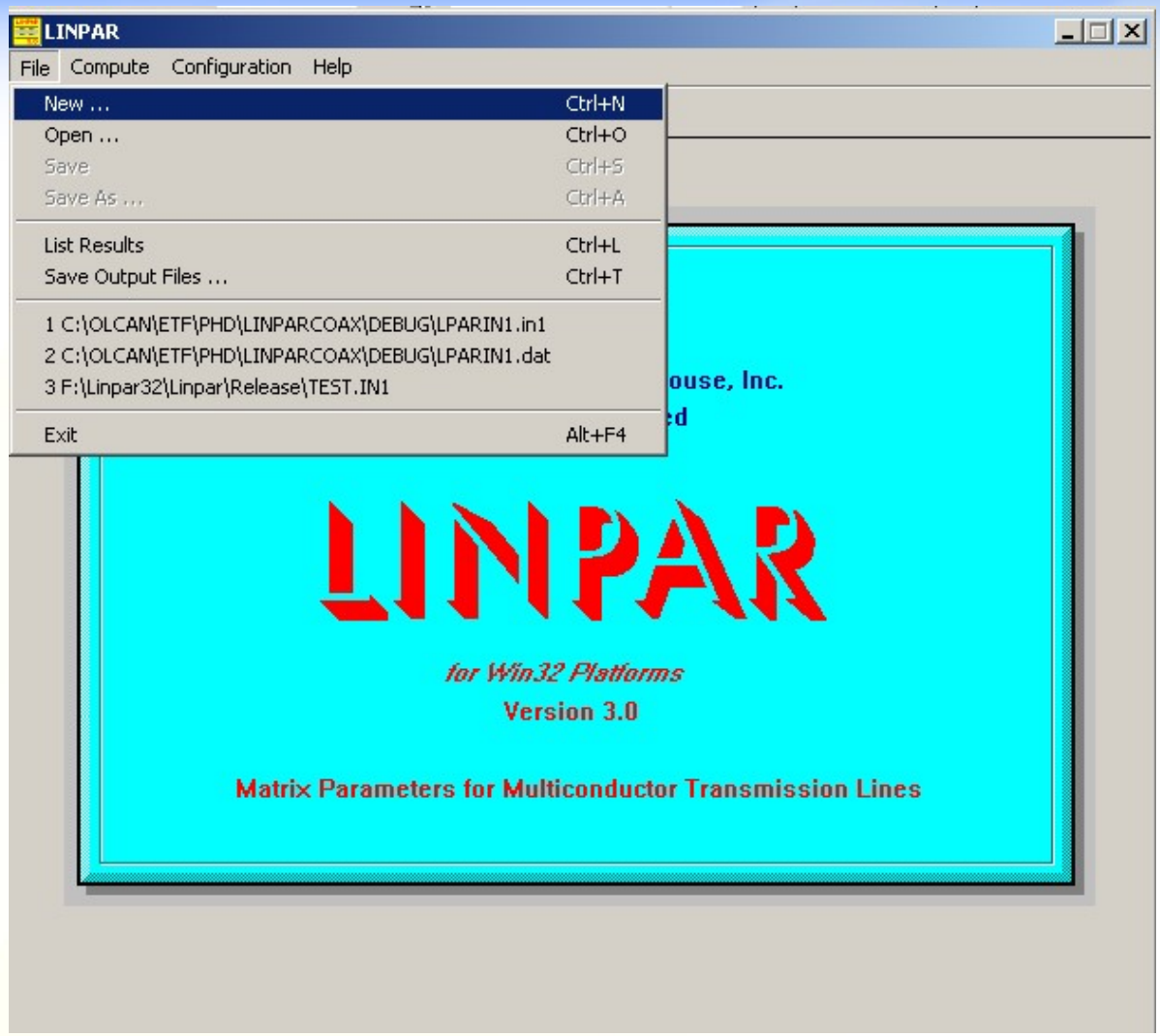
- http://mtt.etf.rs/Elektromagnetska.Kompatibilnost/

- 03-LINPAR.pdf
- 03-EMCt.pdf

LINPAR

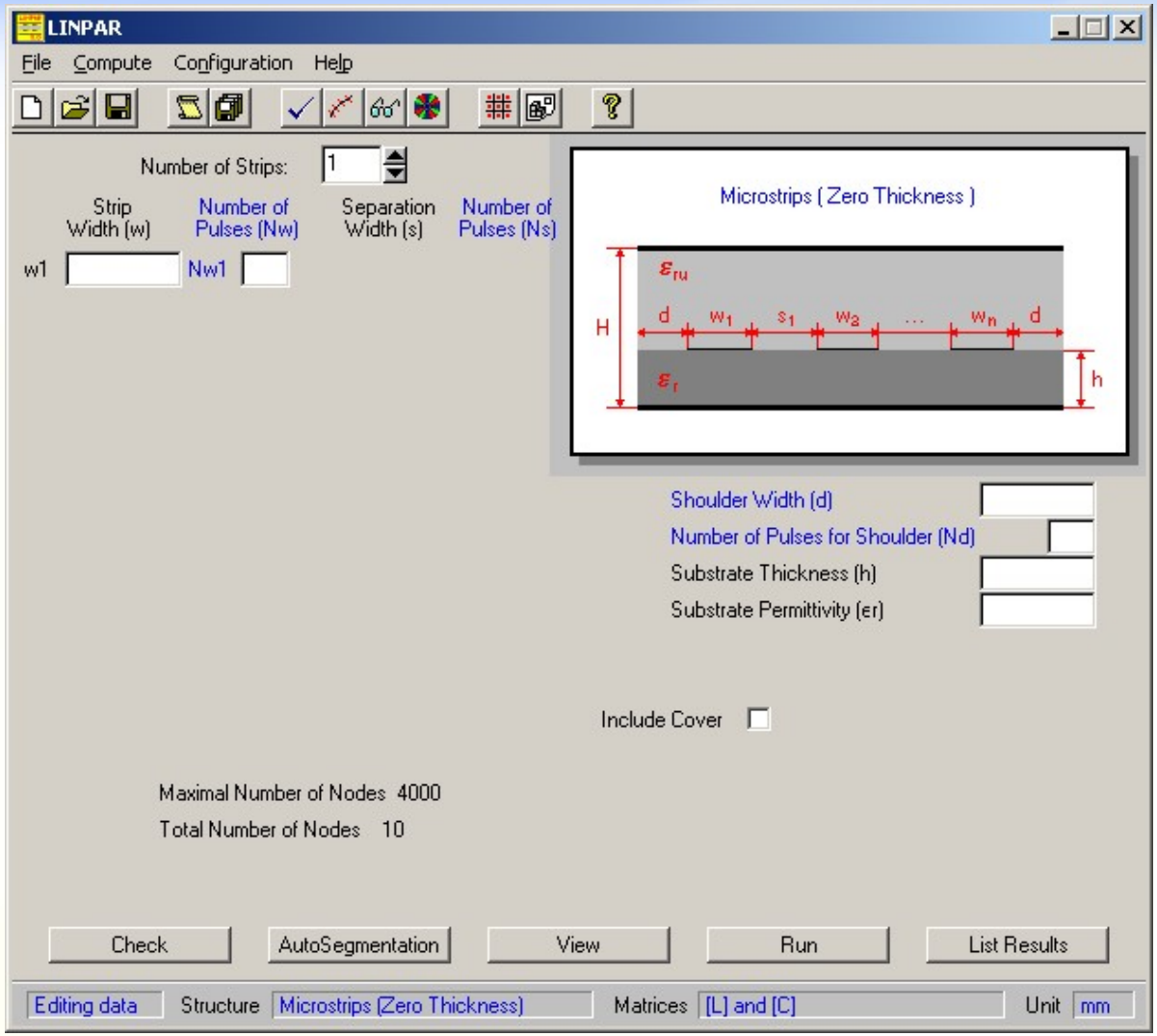

LINPAR
File Compute Configuration Help
© Copyright 1999 Artech House, Inc.
All Rights Reserved
LINPAR
for Win32 Platforms
Version 3.0
Matrix Parameters for Multiconductor Transmission Lines

Нови пројекат

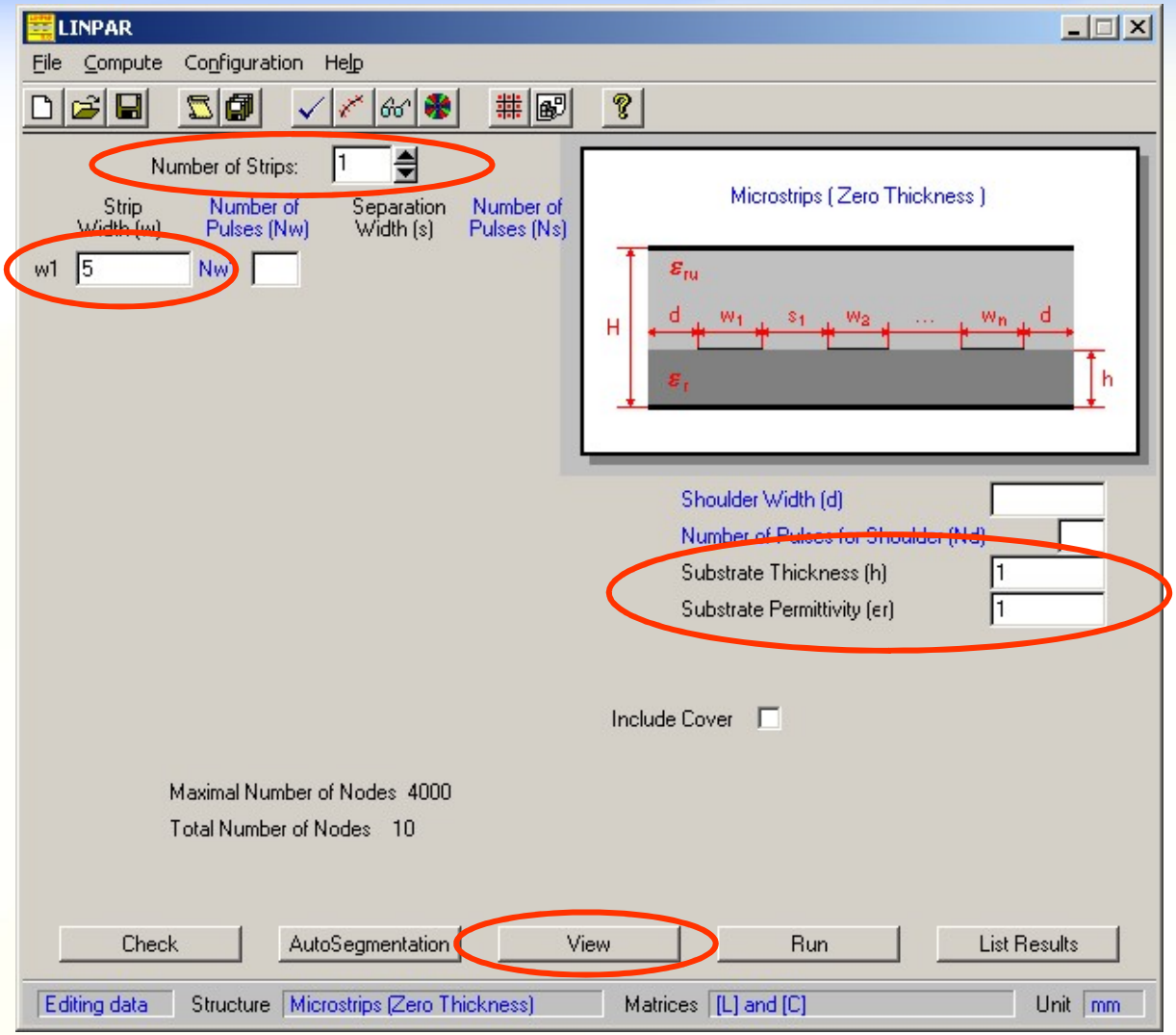


Микротракасти вод

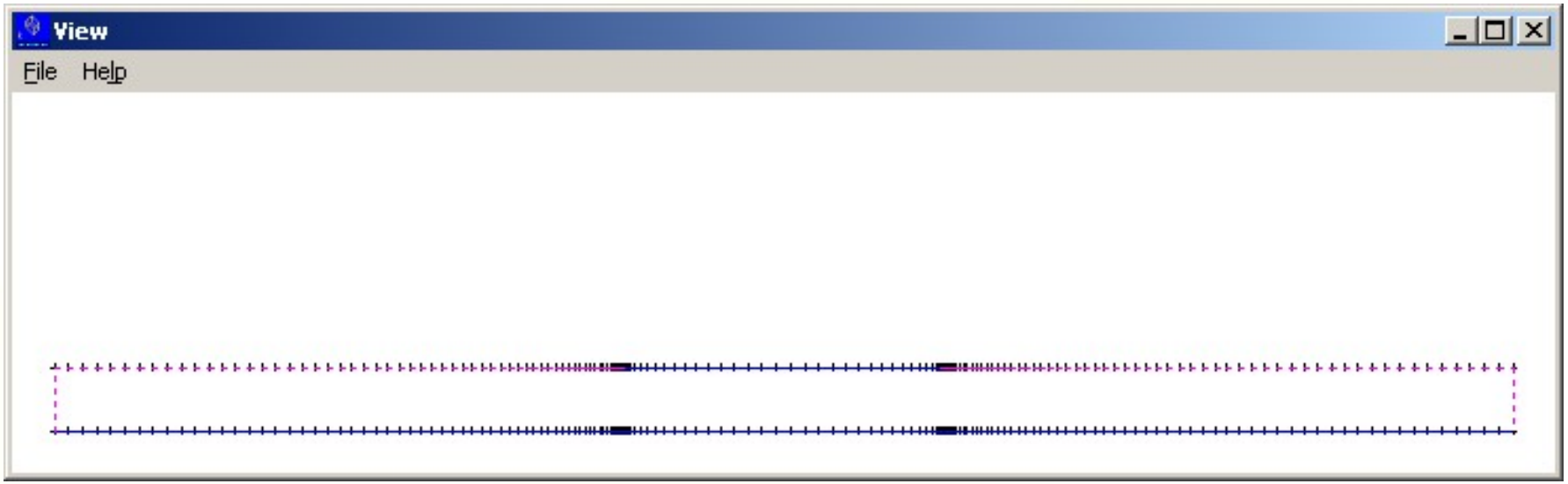
Параметри микротракастог вода



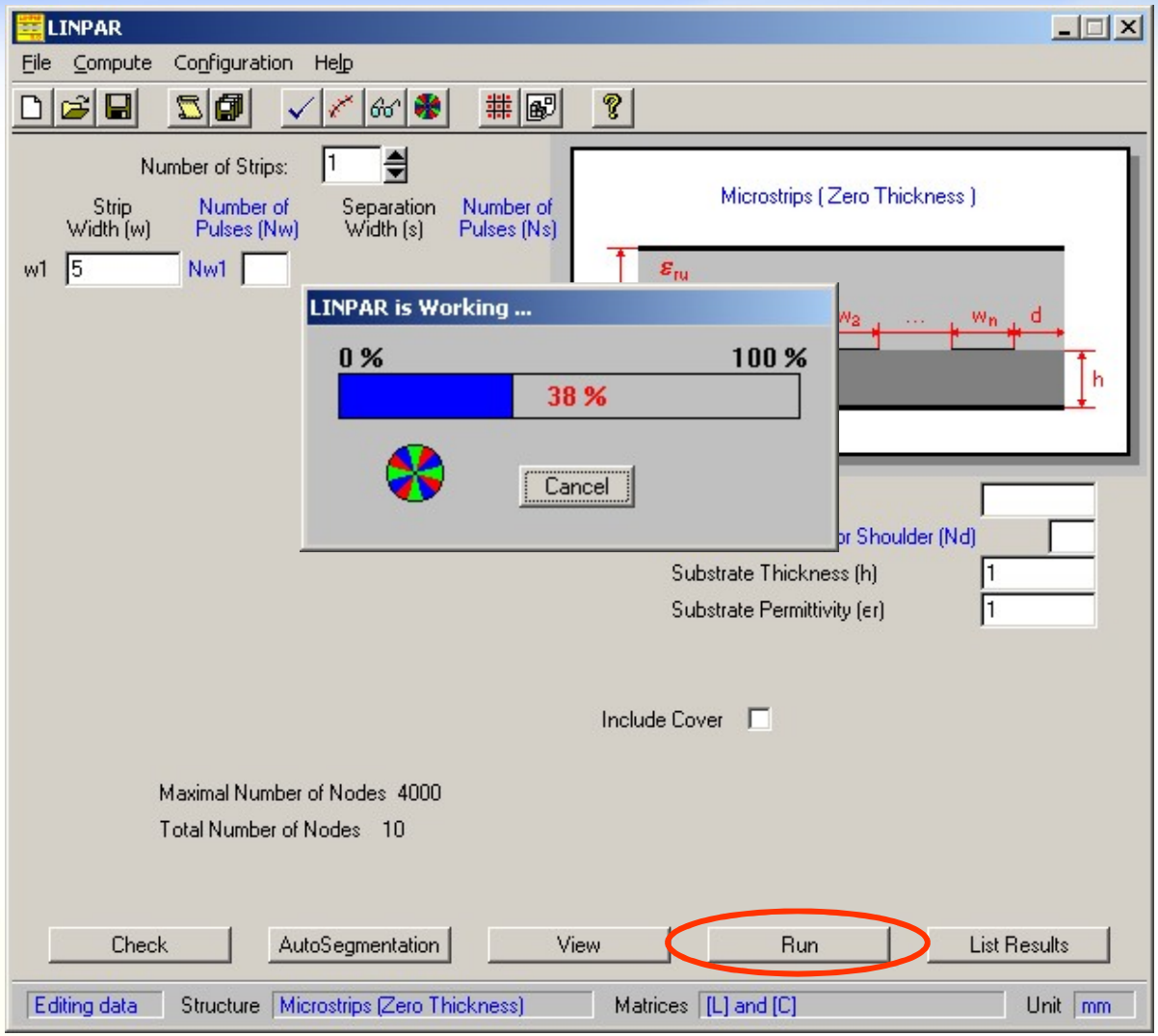
50-омски вод у ваздуху



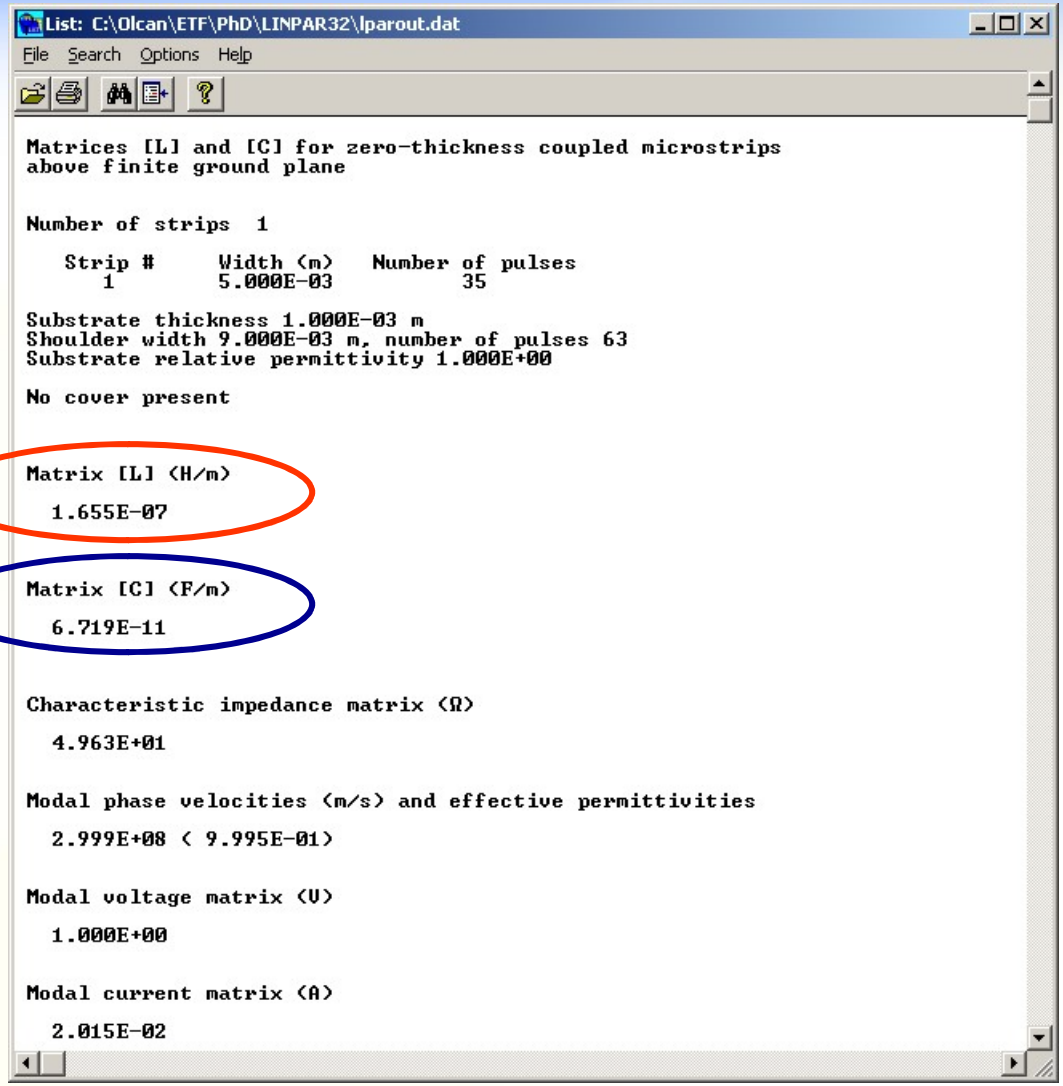
Попречни пресек структуре и сегментација



Симулација


LINPAR
File Compute Configuration Help
Number of Strips: 1
Strip Width (w)
Number of Pulses (Nw)
Separation Width (s)
Number of Pulses (Ns)
w1 5 Nw1
Microstrips (Zero Thickness)
LINPAR is Working ...
0 %
100 %
38 %
Cancel
Substrate Thickness (h) 1
Substrate Permittivity (er) 1
Include Cover
Maximal Number of Nodes 4000
Total Number of Nodes 10
Check
AutoSegmentation
View
Run
List Results
Editing data
Structure Microstrips (Zero Thickness)
Matrices [L] and [C]
Unit mm

Резултати


List: C:\Olcan\ETF\PhD\LINPAR32\lparout.dat
File Search Options Help
Matrices [L] and [C] for zero-thickness coupled microstrips
above finite ground plane
Number of strips 1
Strip # Width (m) Number of pulses
1 5.000E-03 35
Substrate thickness 1.000E-03 m
Shoulder width 9.000E-03 m, number of pulses 63
Substrate relative permittivity 1.000E+00
No cover present
Matrix [L] (H/m)
1.655E-07
Matrix [C] (F/m)
6.719E-11
Characteristic impedance matrix (Ω)
4.963E+01
Modal phase velocities (m/s) and effective permittivities
2.999E+08 (9.995E-01)
Modal voltage matrix (V)
1.000E+00
Modal current matrix (A)
2.015E-02