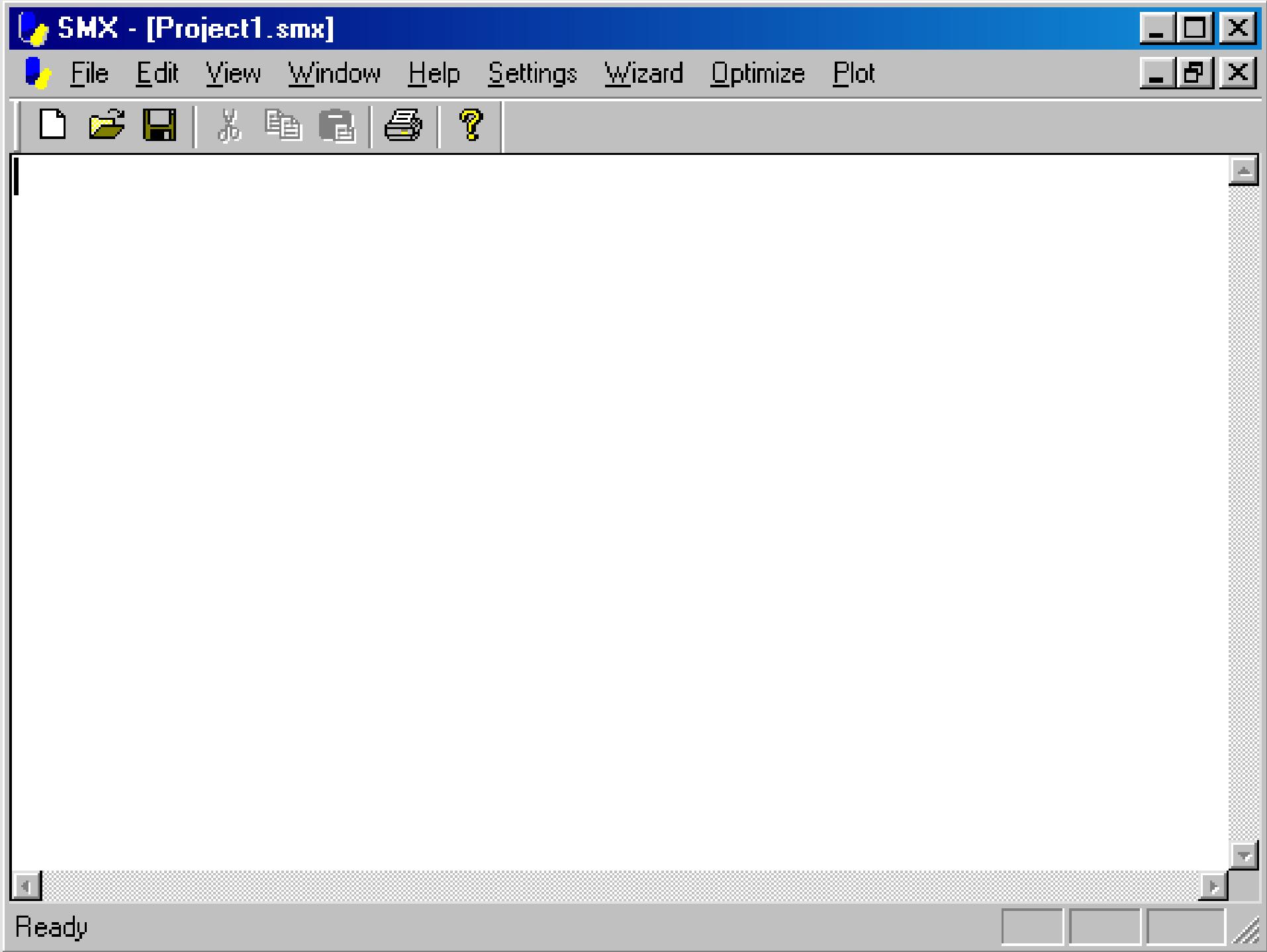
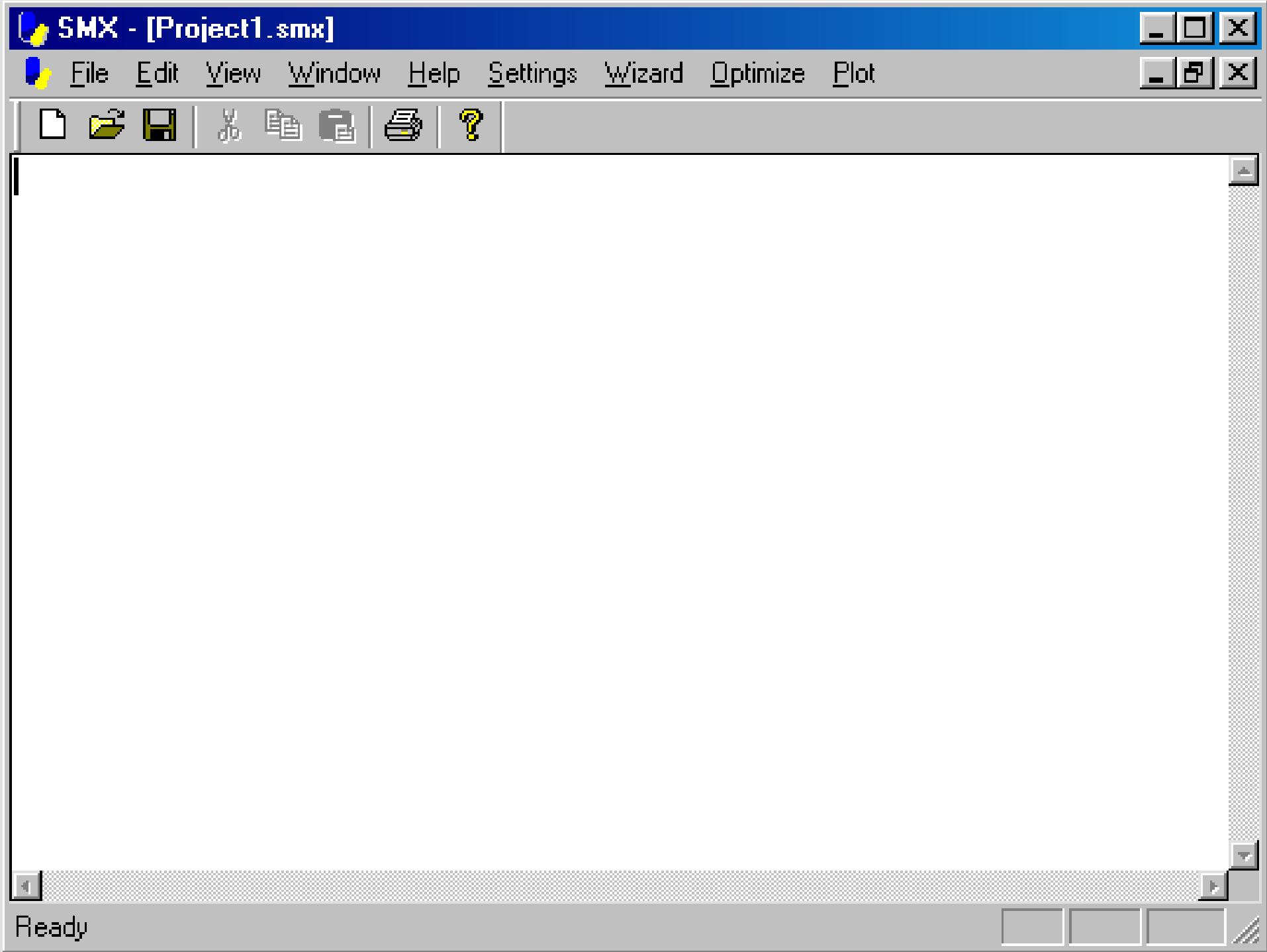


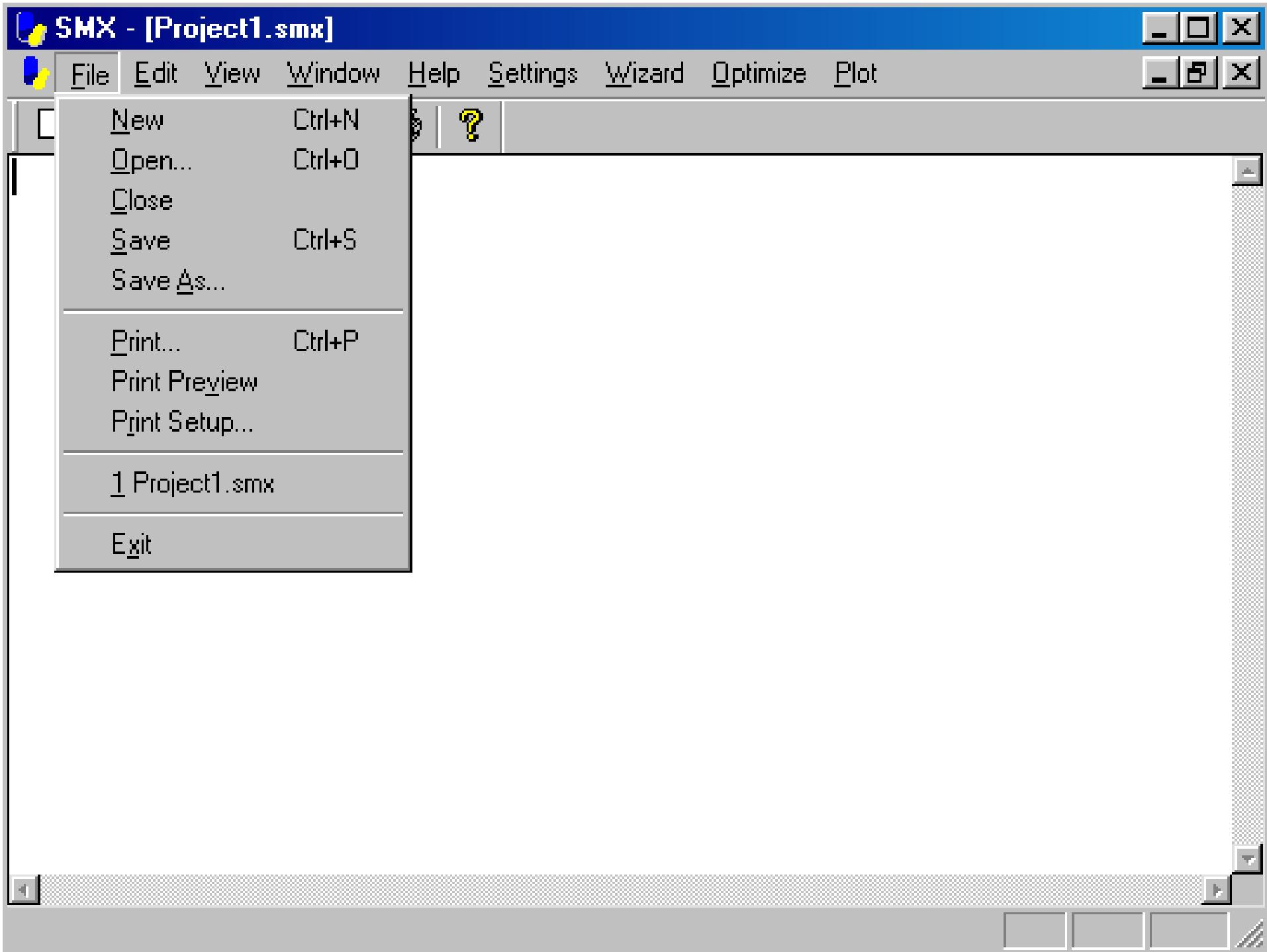


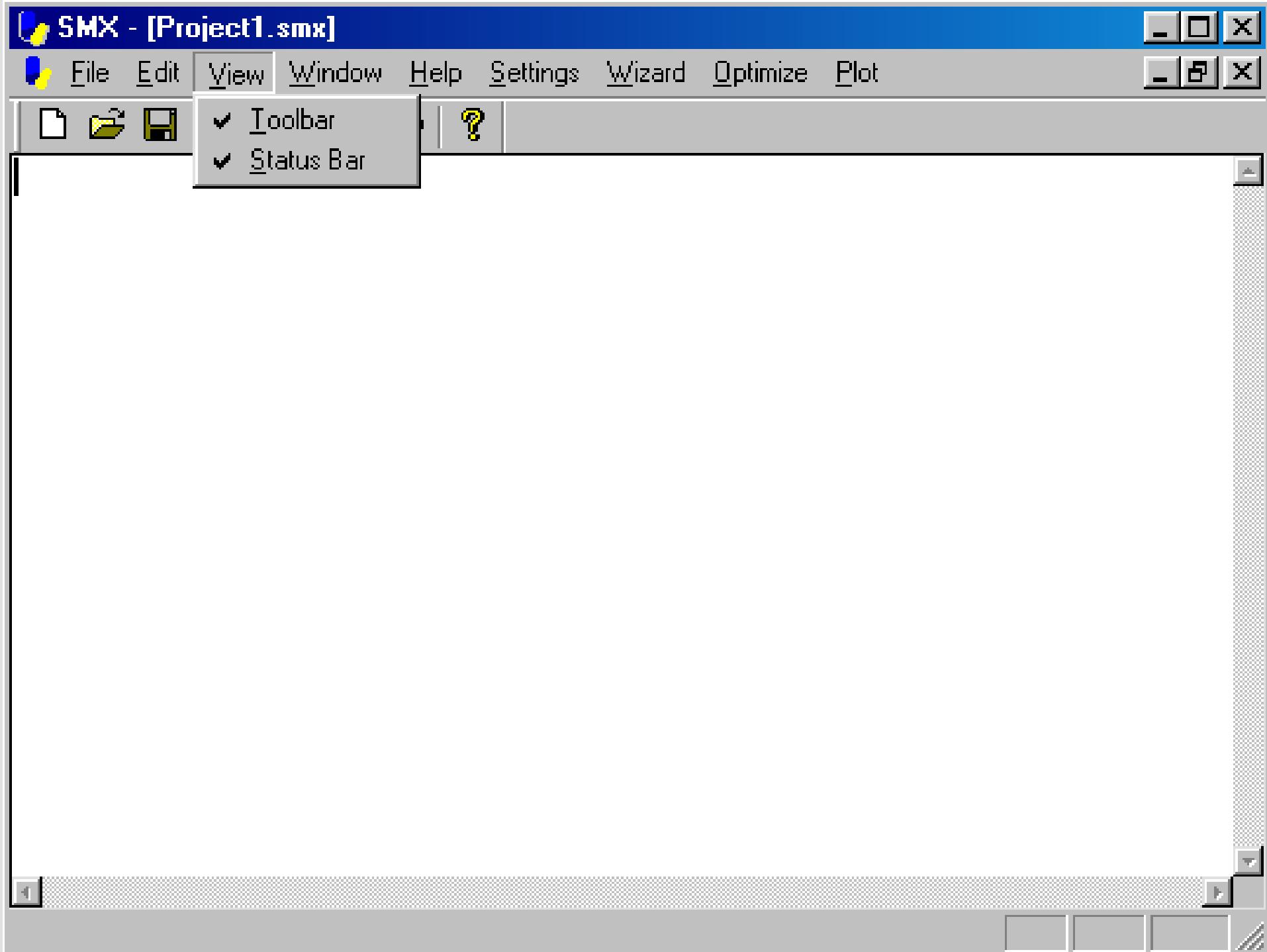
# SMX

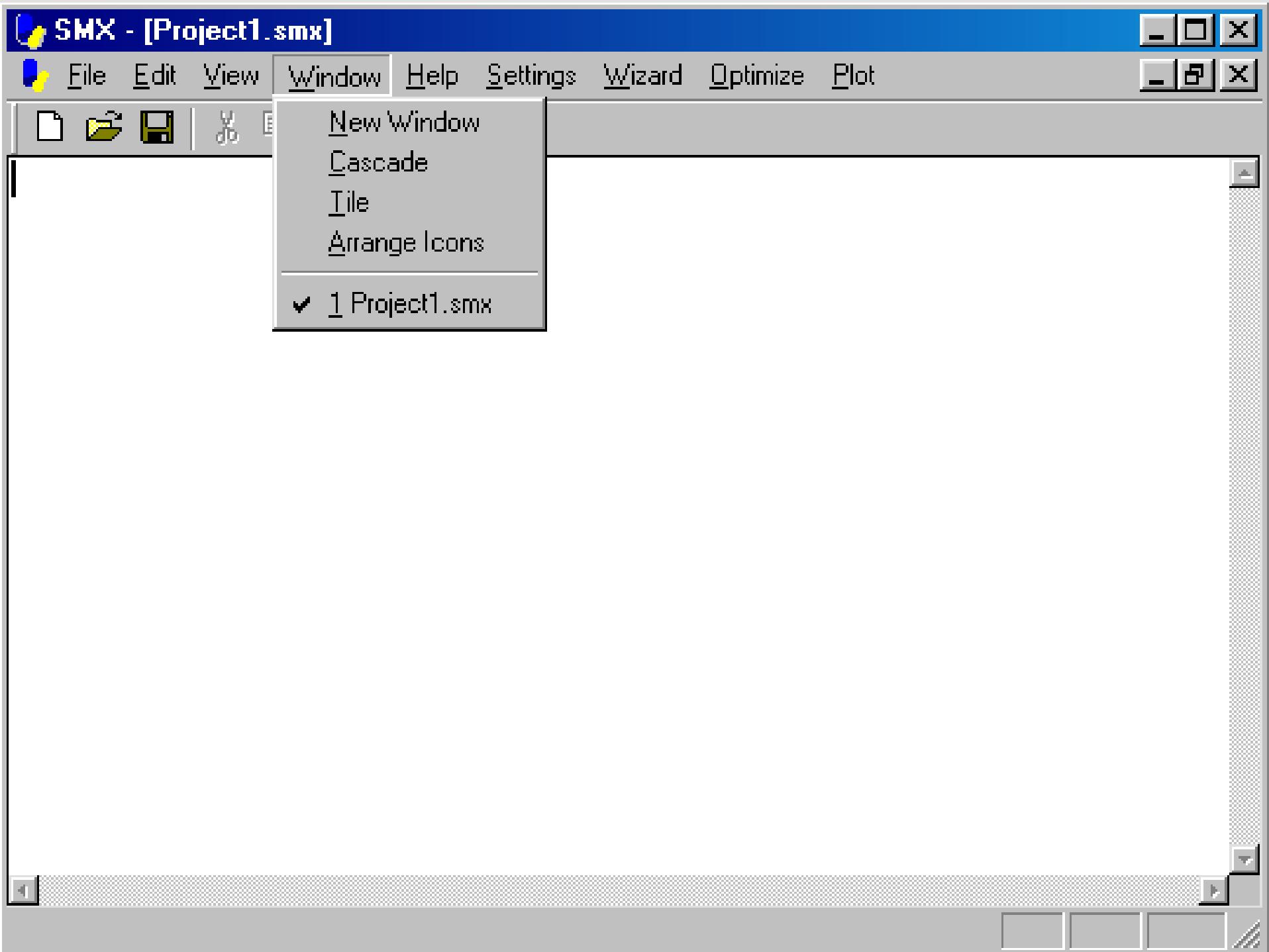
Version 0.1 Beta

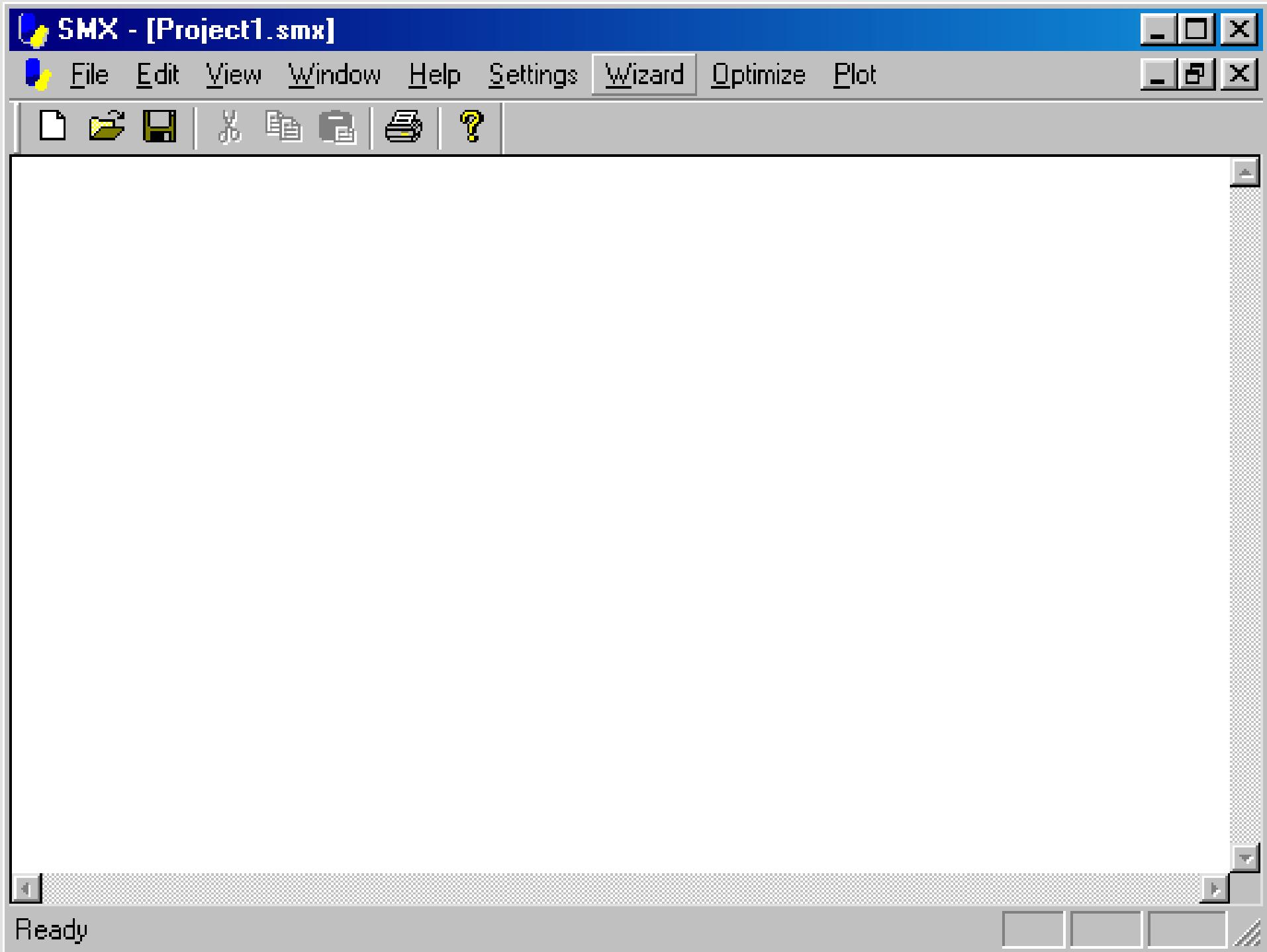
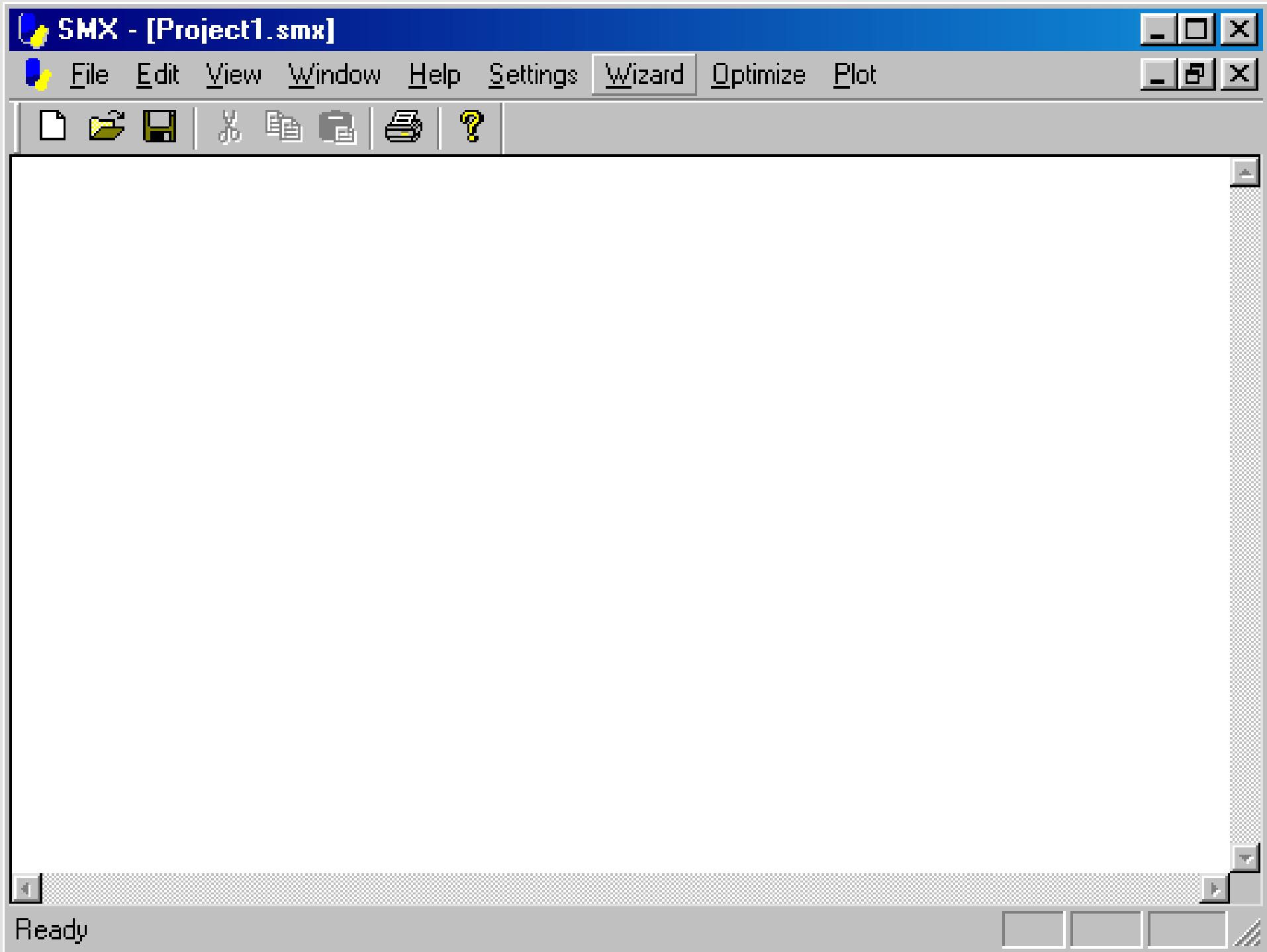
©2000













## SMX Project Setup



## Project Location

Project Name: Project 1

Location: c:\Project 1



## Simulator

Model A: HFSS

Model B: OSA90

## Simulator Files

Model A Filename: Fine\_model.ckt

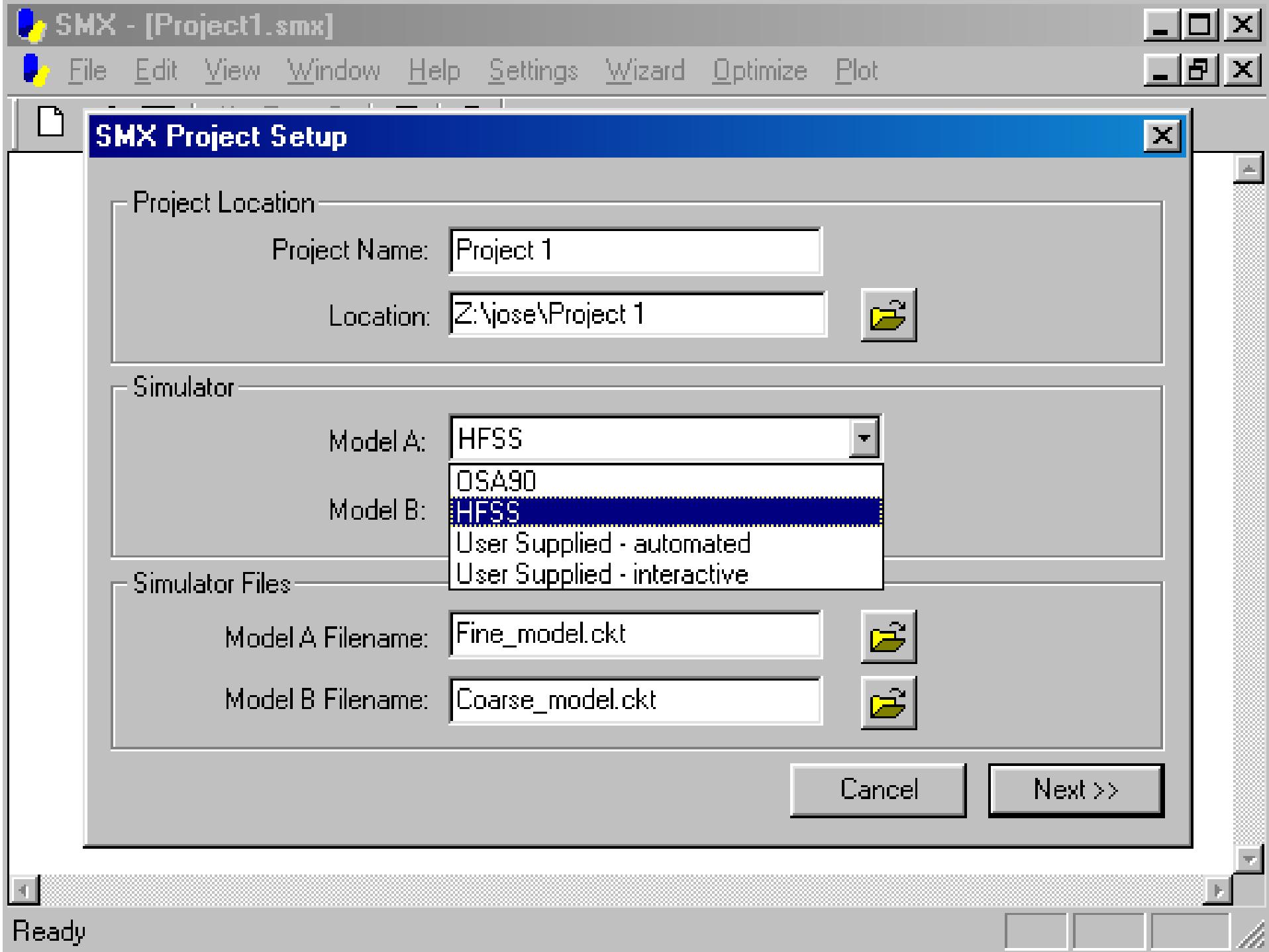


Model B Filename: Coarse\_model.ckt



Cancel

Next &gt;&gt;





## SMX Project Setup



## Project Location

Project Name: Project 1

Location: c:\Project 1



## Simulator

Model A: DSA90

Model B: DSA90

## Simulator Files

Model A Filename: Fine\_model.ckt



Model B Filename: Coarse\_model.ckt



Cancel

Next &gt;&gt;



## SMX Responses &amp; Specifications

## Specification Setup

Start	Stop	Step	Response	Constraint	Value	Add
0.5	1.5	0.1	ms11	<=	0.5	

## Specifications

Start	Stop	Step	Response	Constraint	Value	
0.500000	1.500000	0.100000	ms11	<=	0.500000	
						Delete

## Mapping Parameters

 Designable Parameters Space Space and Frequency (decoupled) Space and Frequency (coupled)

## Simulation Setup

Number of Iterations: Number of Ports:

SMX - [Project1.smx]

## SMX Parameter Setup

Parameter Setup

Parameter Name:

Enable Parameter for Optimization  
 Enable Discrete Perturbation

Initial Value	Minimum Value	Maximum Value	Step	Add
1	0.0001	1000	1e-005	<input type="button" value="Add"/>

Designable Parameters List

Parameter	Initial	Minimum	Maximum	Step	Enabled
Length_1	1.000000	0.000100	1000.000...	0.000010	Yes

Ready



ProjectName: Project 1

ProjectLocation: Z:\jose\c++\SMX\_PROJ

FineModelSimulator: OSA90

CoarseModelSimulator: OSA90

FineModelFileName: Fine\_model.ckt

CoarseModelFileName: Coarse\_model.ckt

NumberOfBands: 1

bands[0]: 0.500000, 1.500000, 0.100000, ms11, <=, 0.500000

MappingType: 0

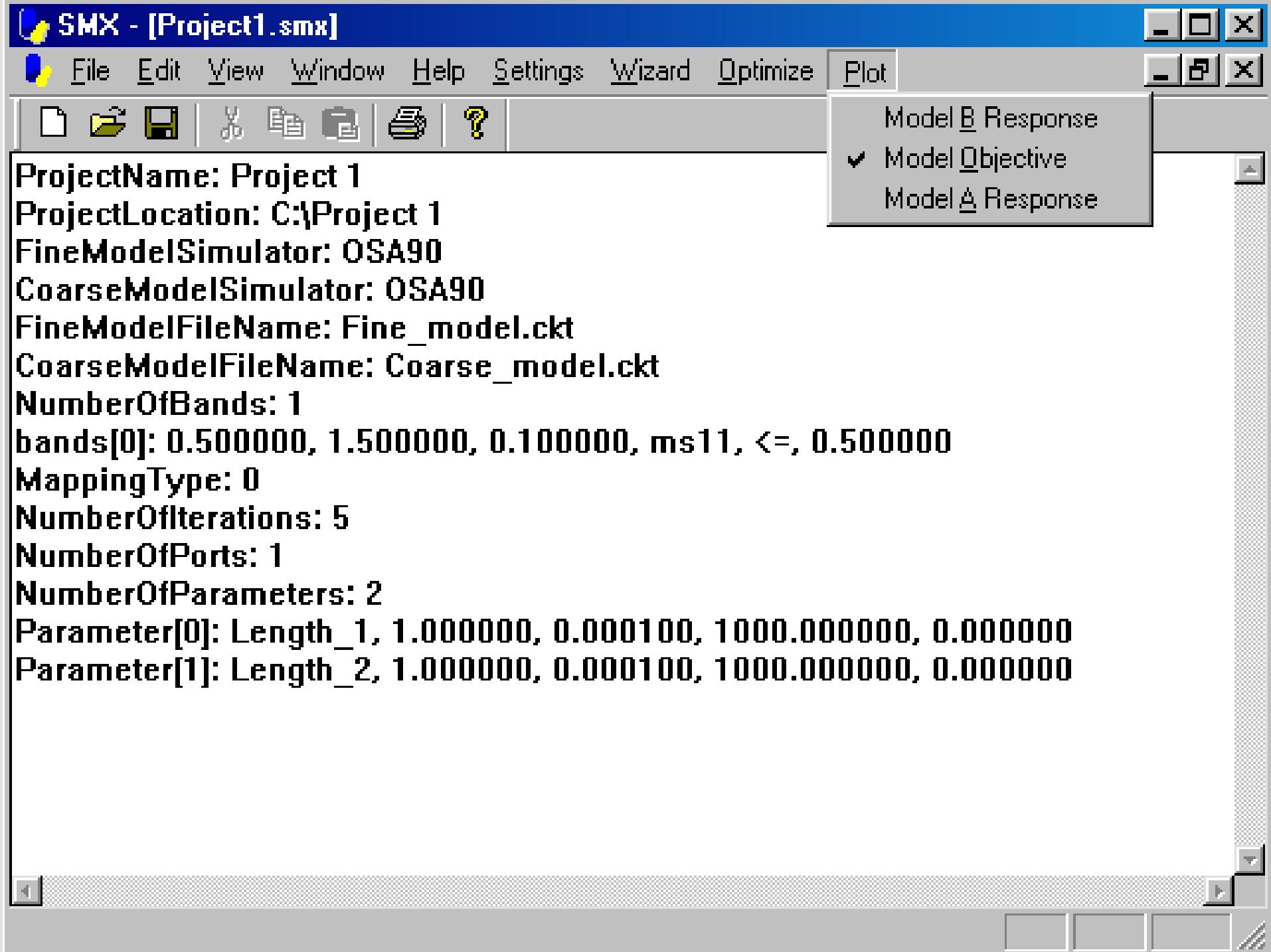
NumberOflterations: 5

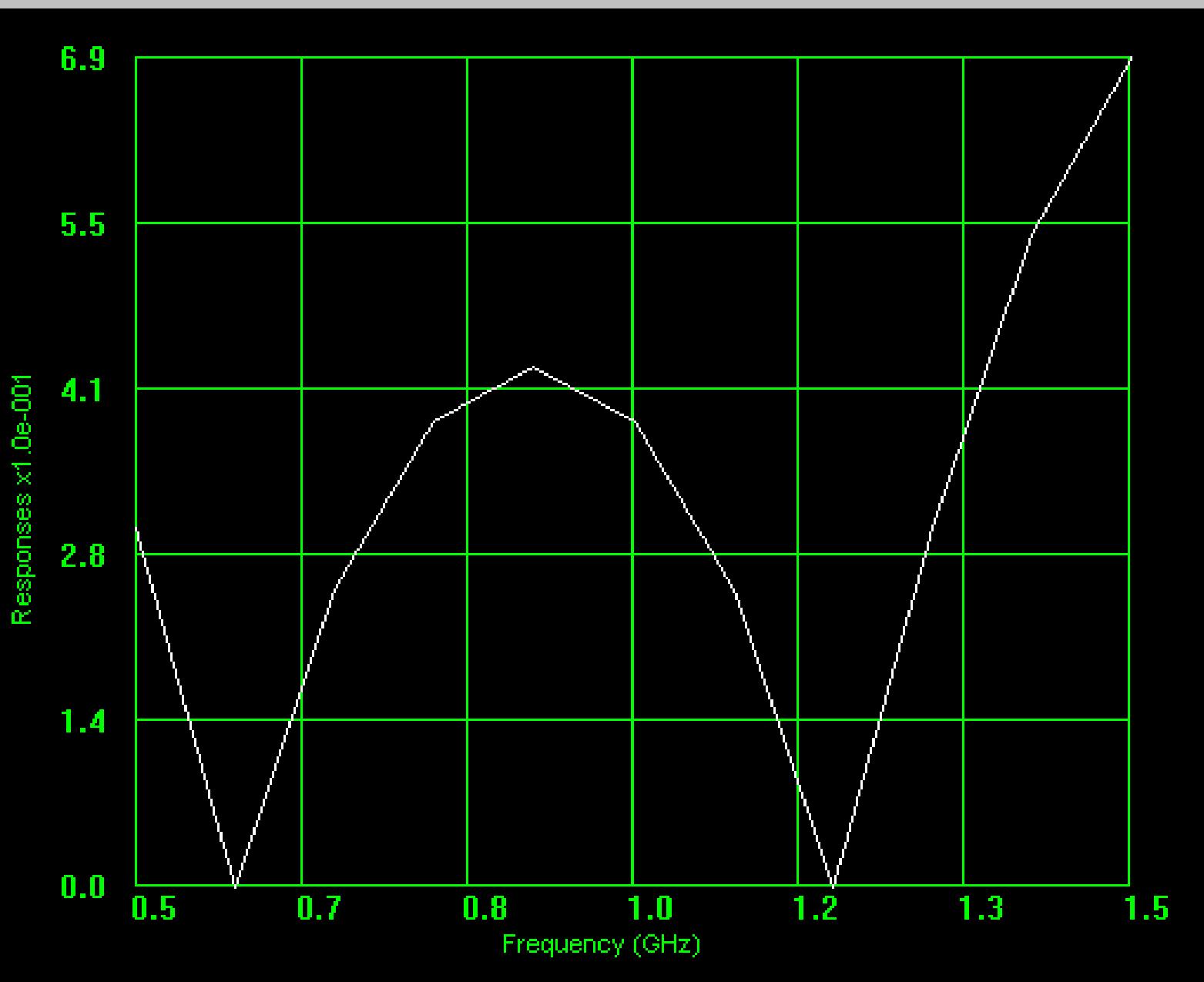
NumberOfPorts: 1

NumberOfParameters: 2

Parameter[0]: Length\_1, 1.000000, 0.000100, 1000.000000, 0.000000

Parameter[1]: Length\_2, 1.000000, 0.000100, 1000.000000, 0.000000





Tick

Ticks

X-Tick

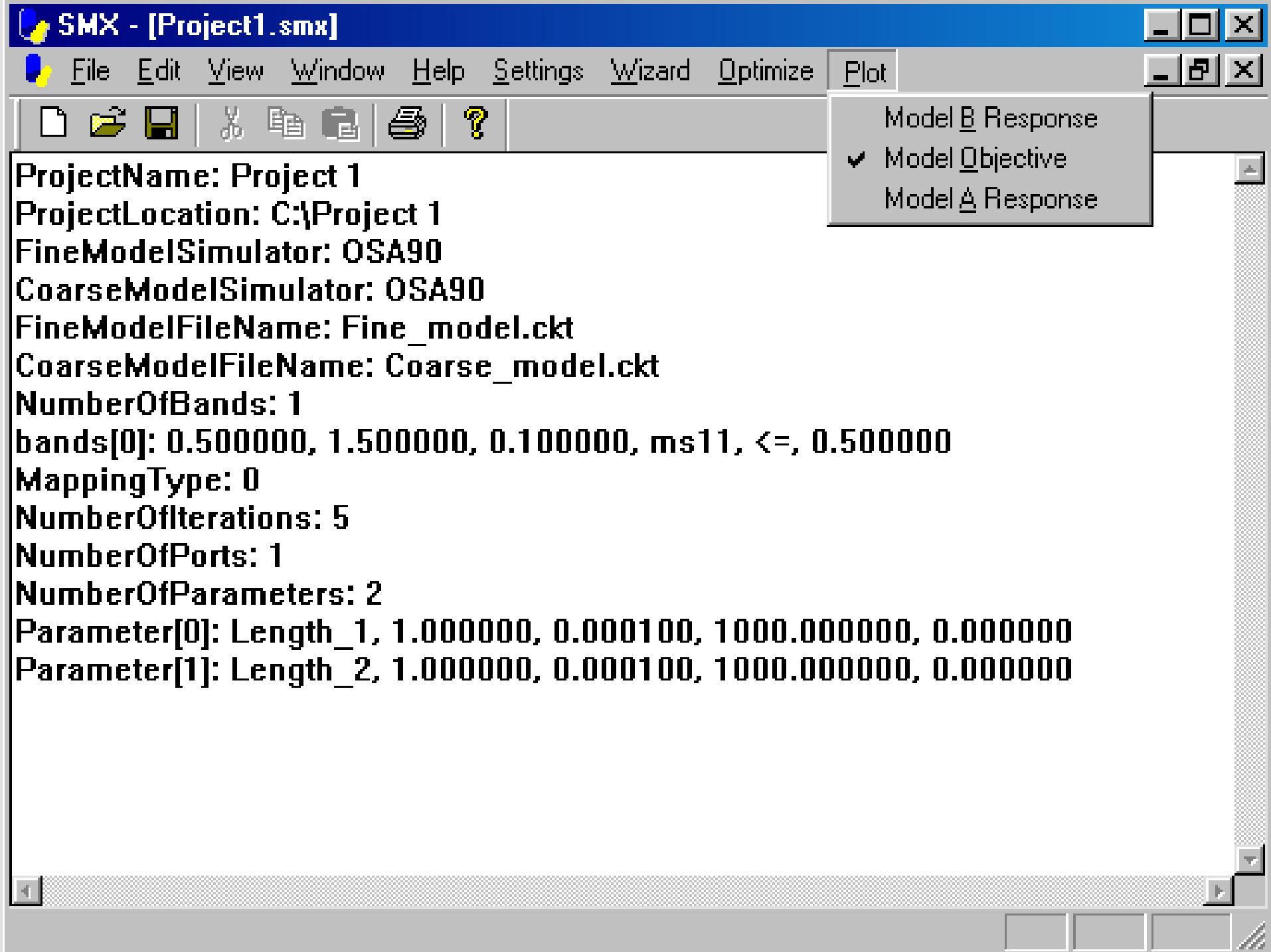
6  
[Up/Down Buttons]

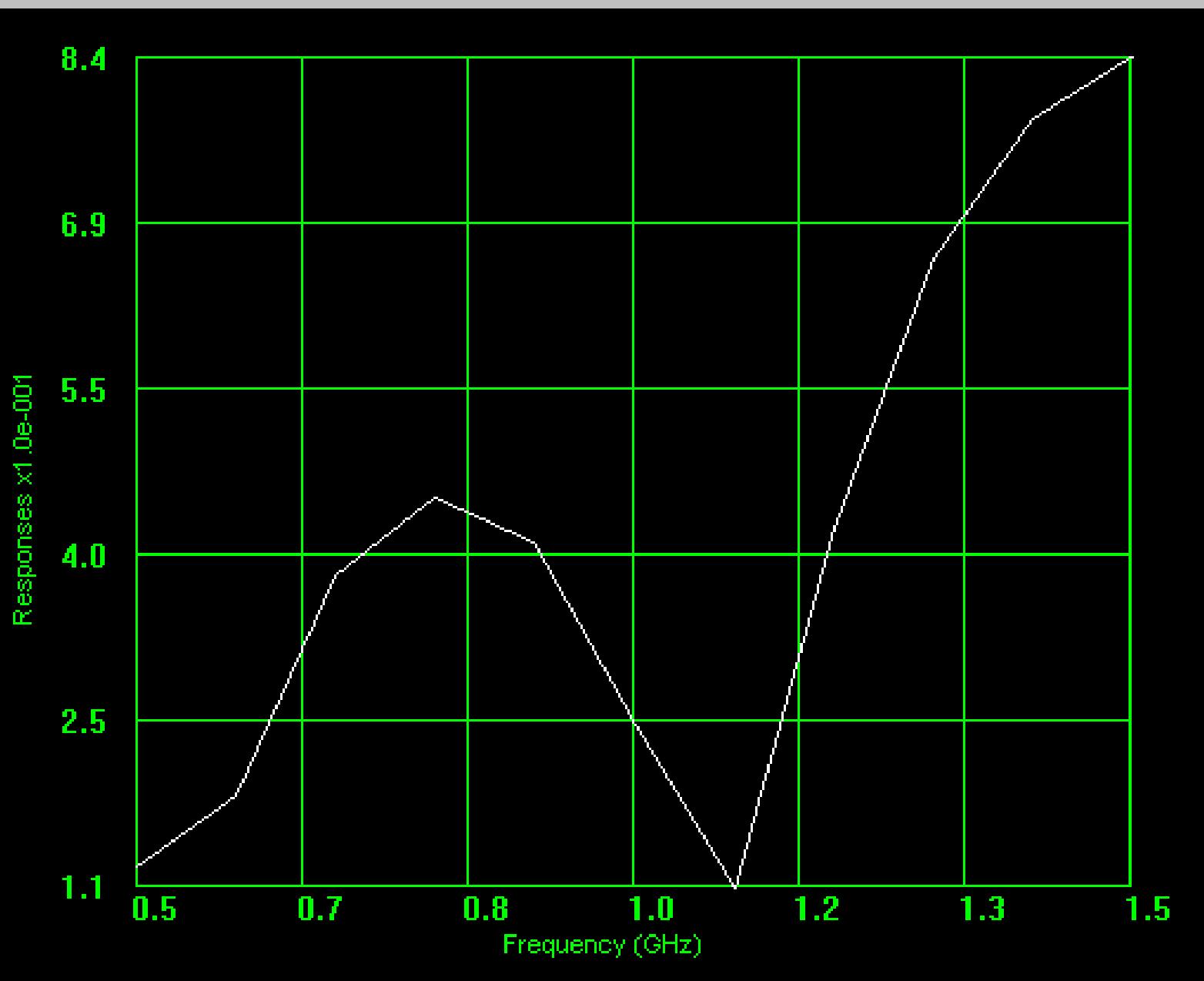
Y-Tick

5  
[Up/Down Buttons]

Legend

— mc11





Tick

Ticks

X-Tick

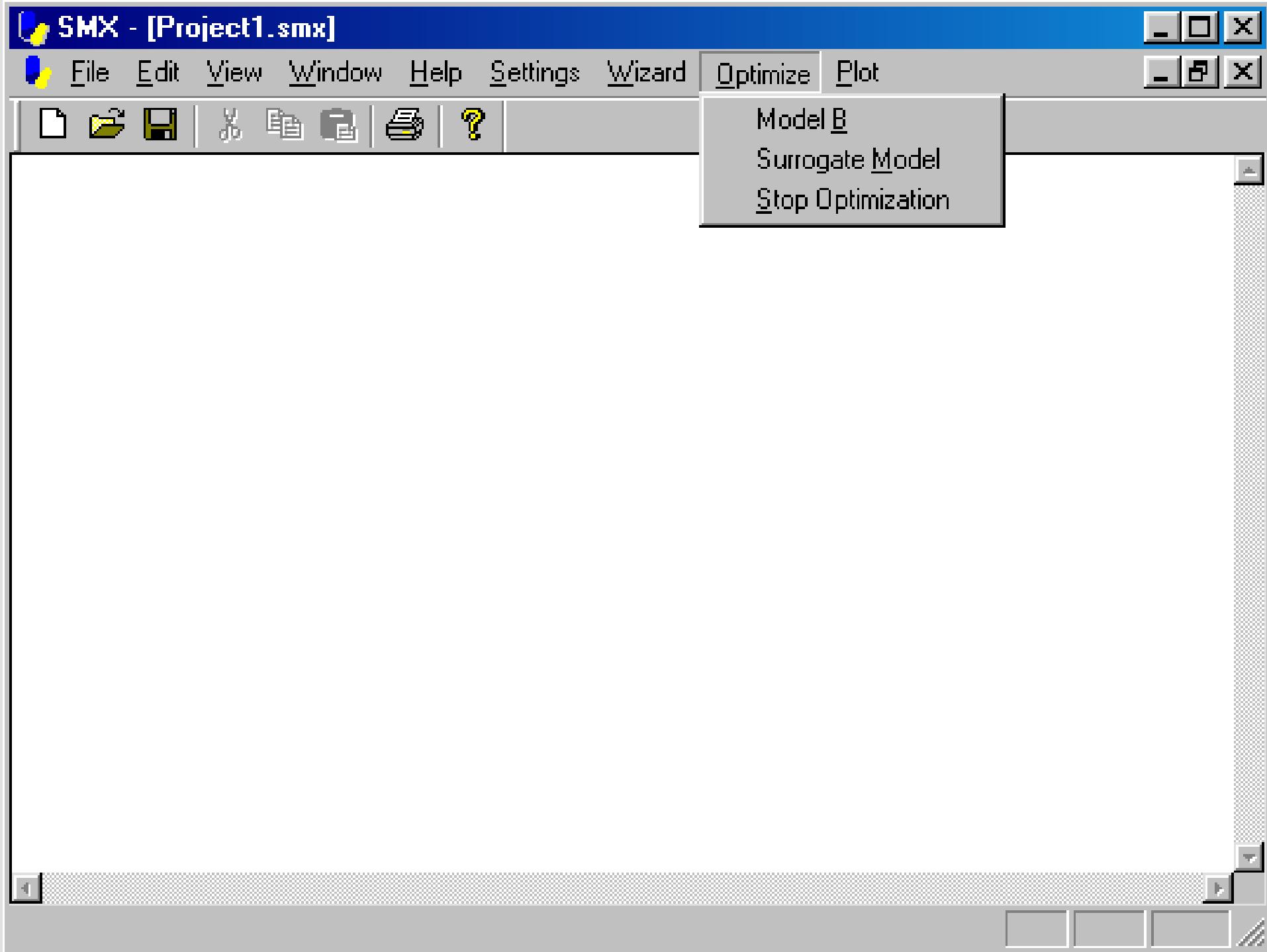
6

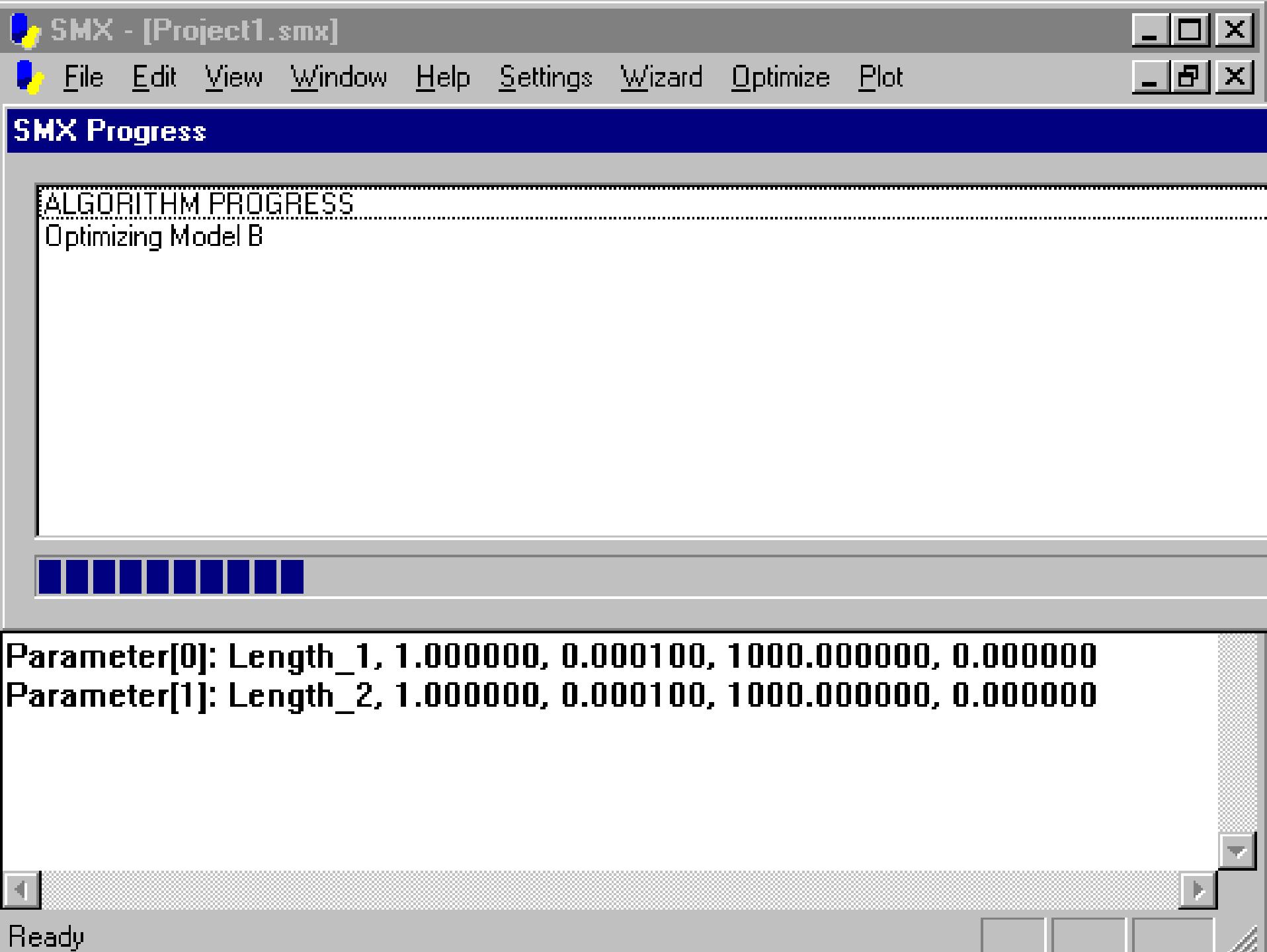
Y-Tick

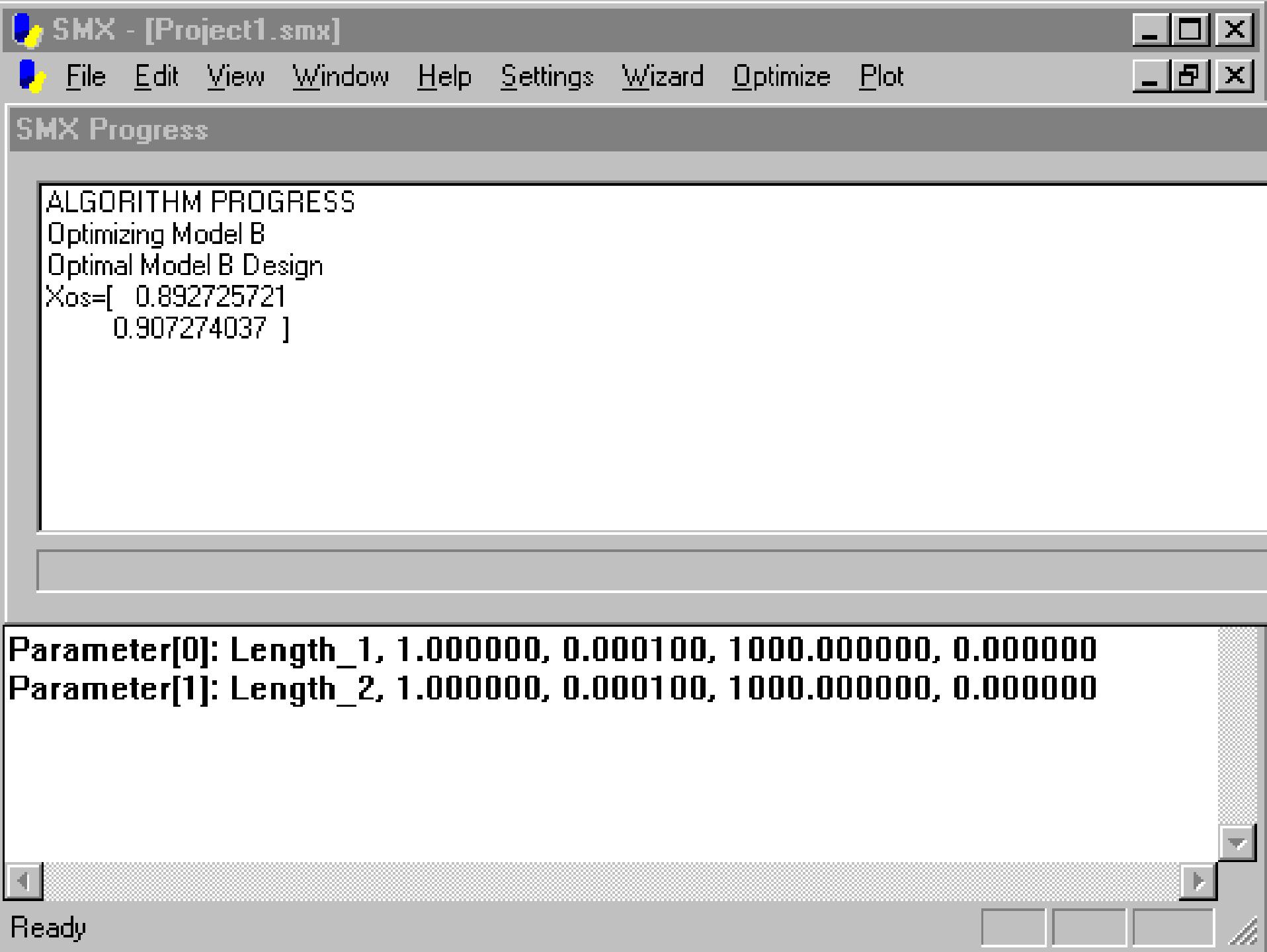
5

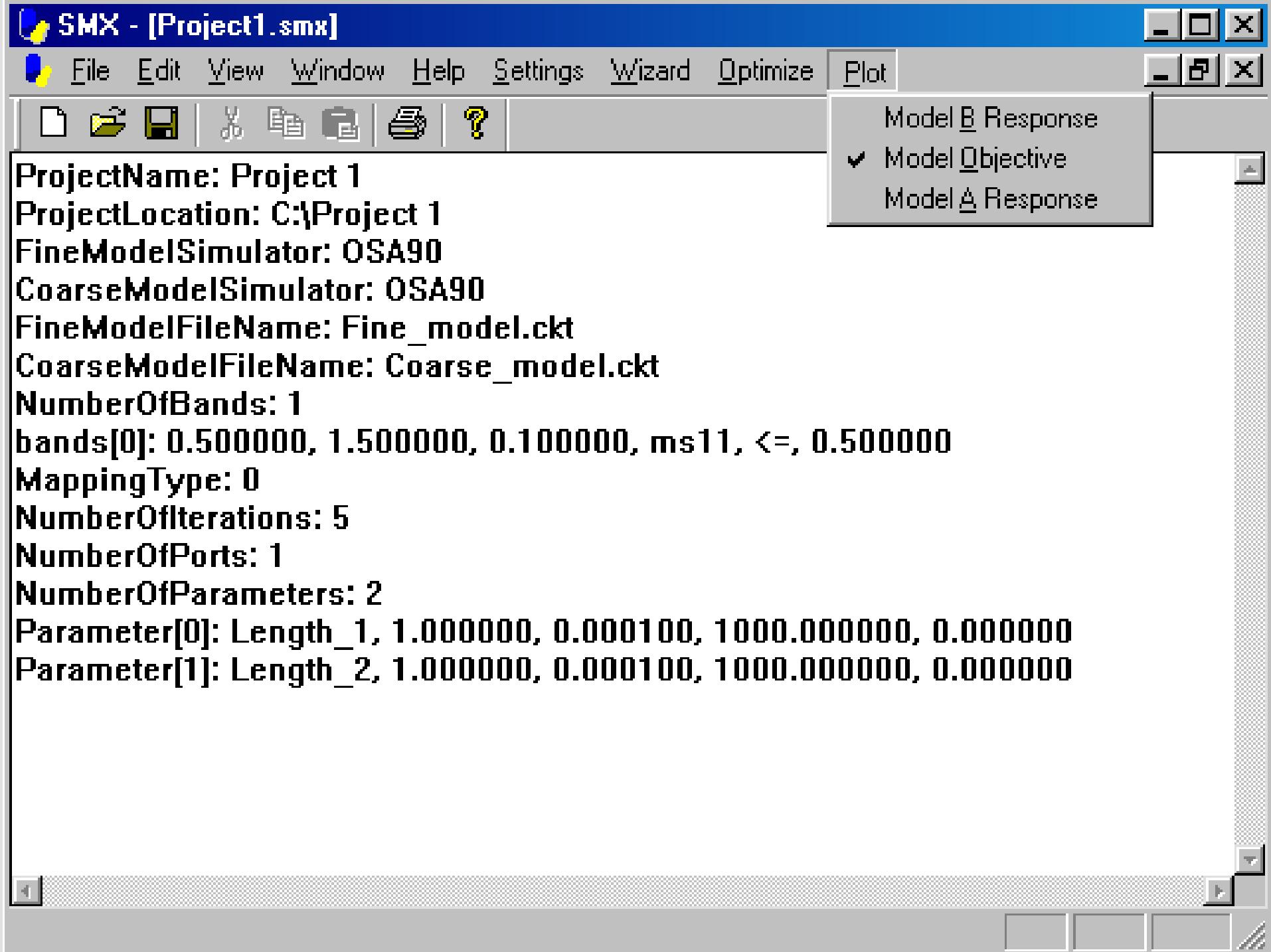
Legend

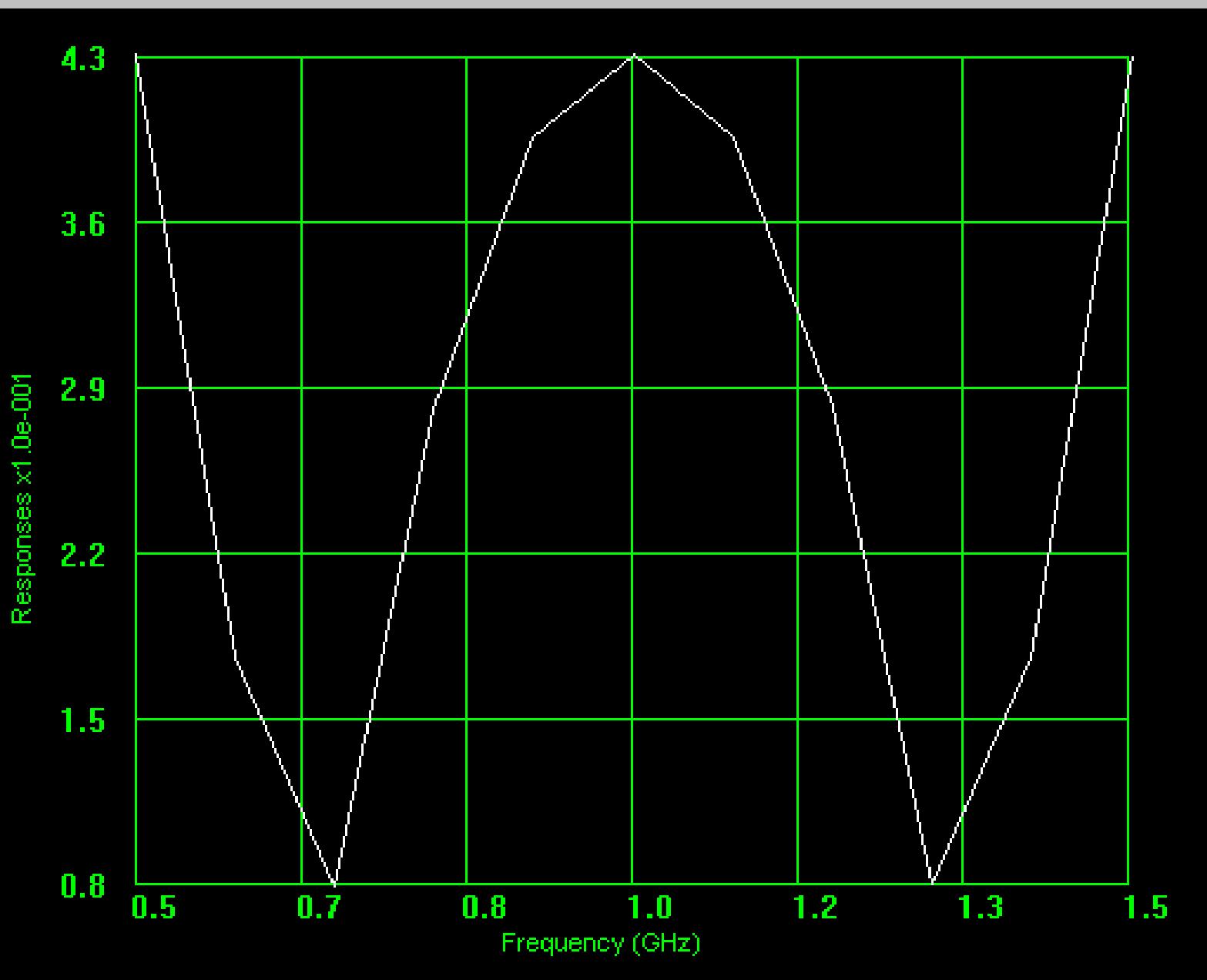
— ms11











Tick

Ticks

X-Tick

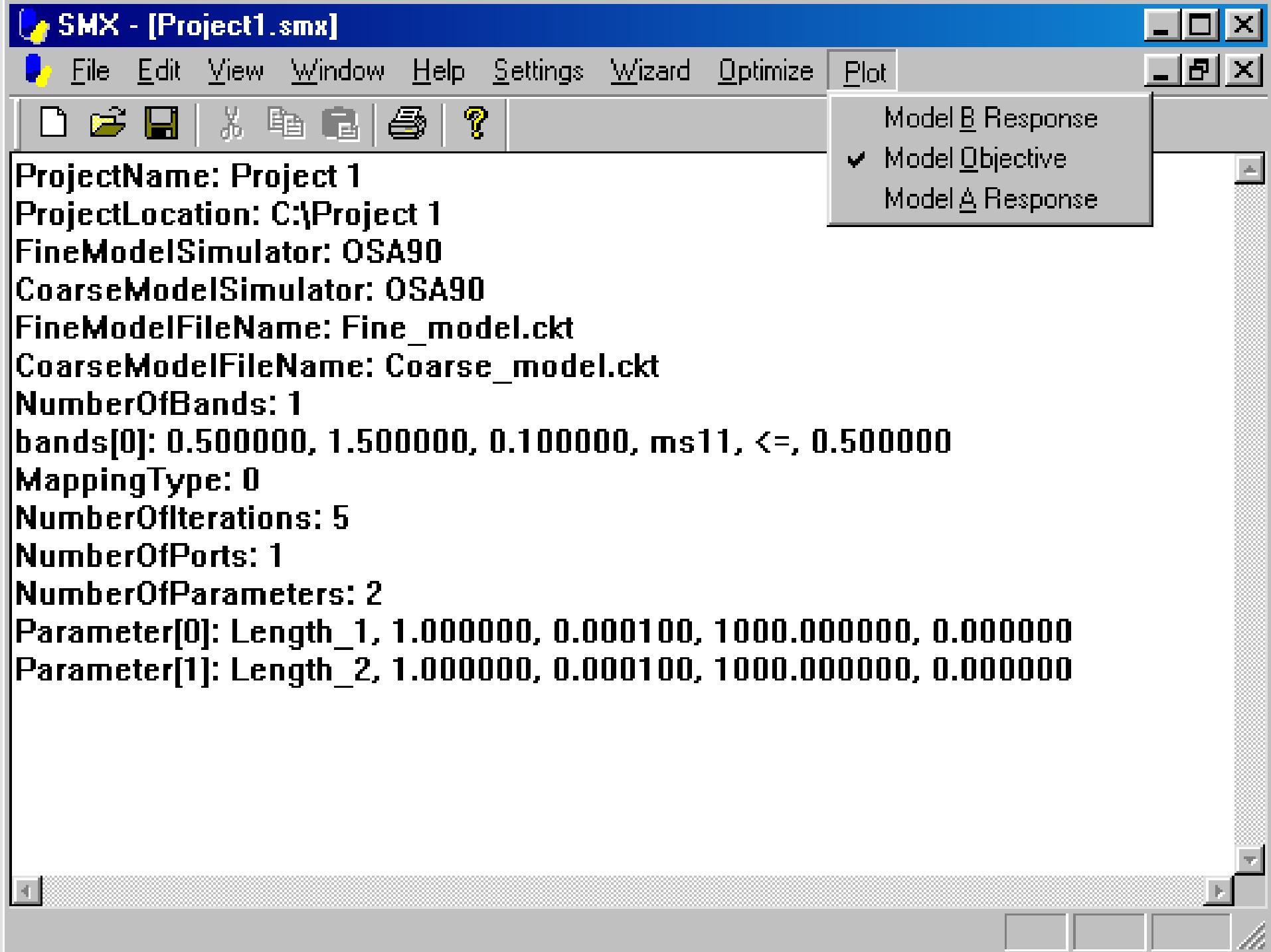
6  
6

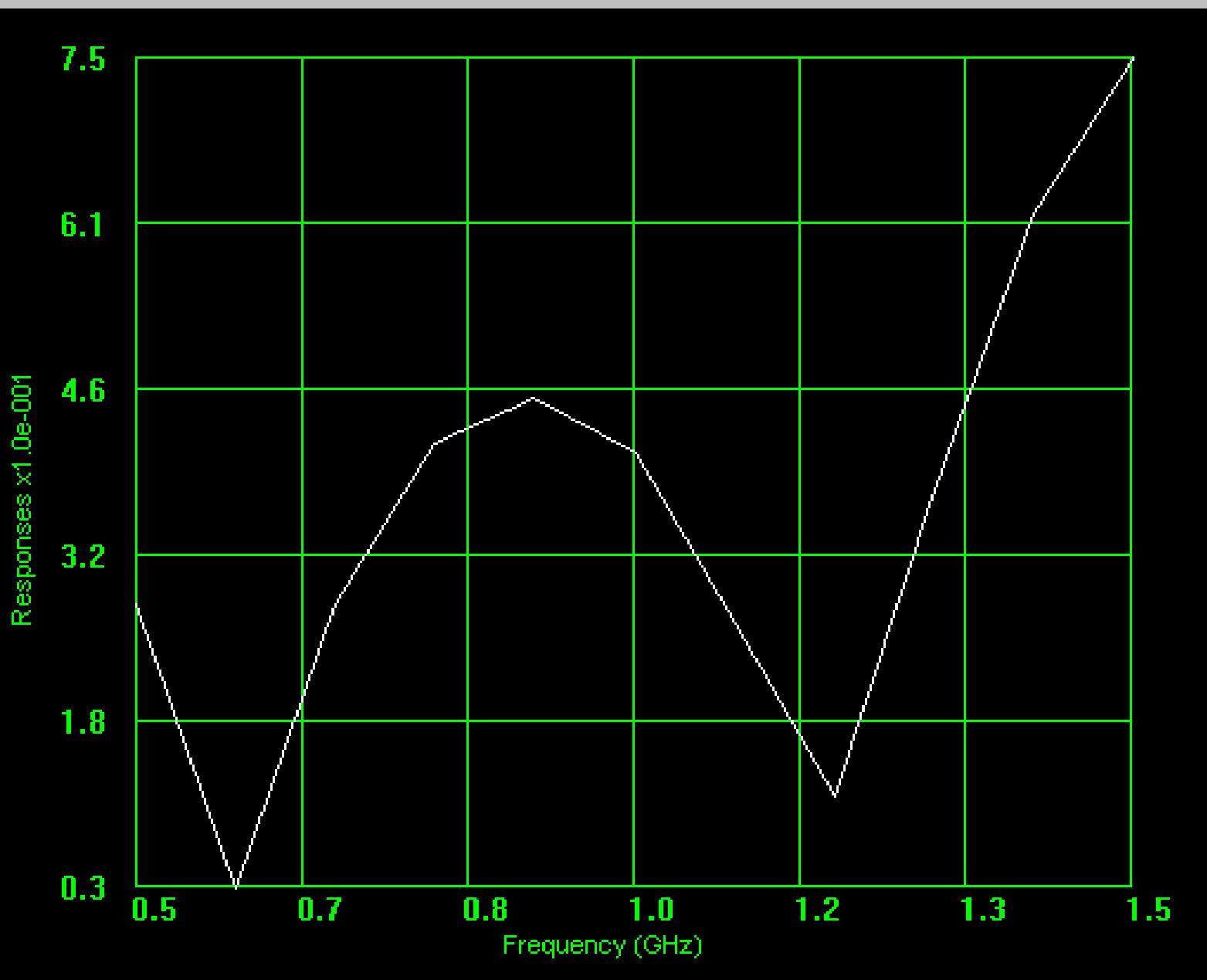
Y-Tick

5  
5

Legend

— ms11





Tick

Ticks

X-Tick

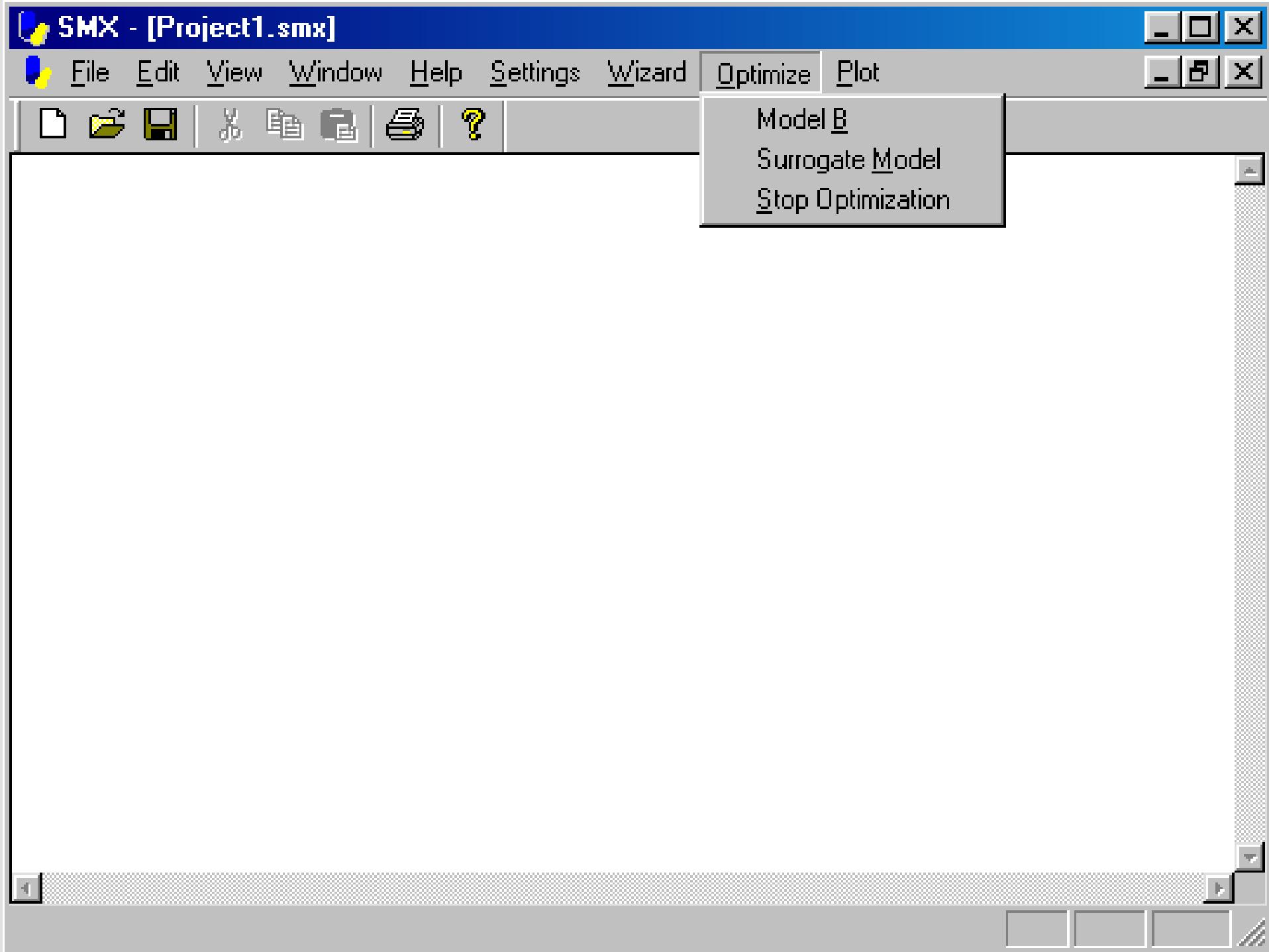
6  
[Up/Down Buttons]

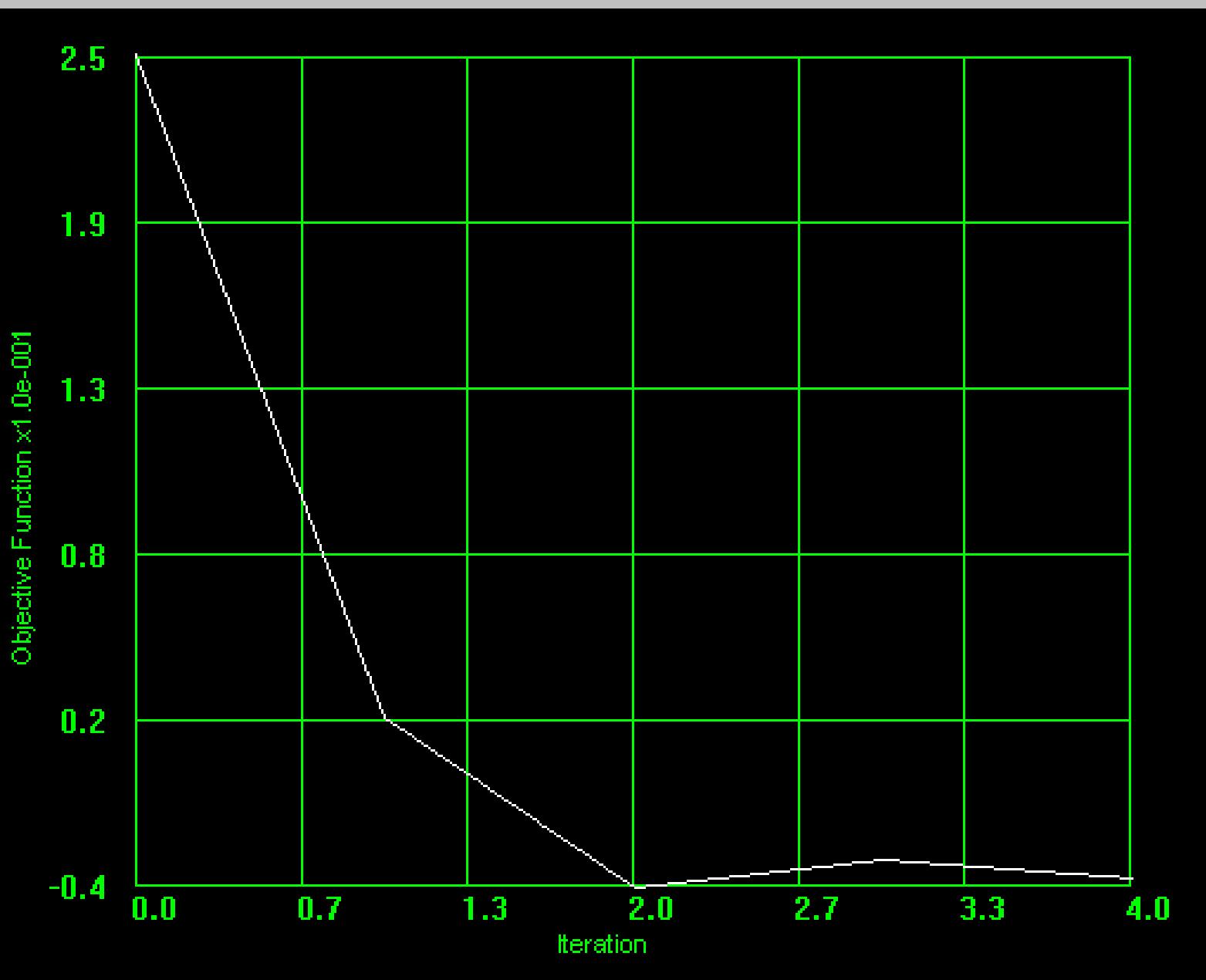
Y-Tick

5  
[Up/Down Buttons]

Legend

— ms11





Tick

Ticks

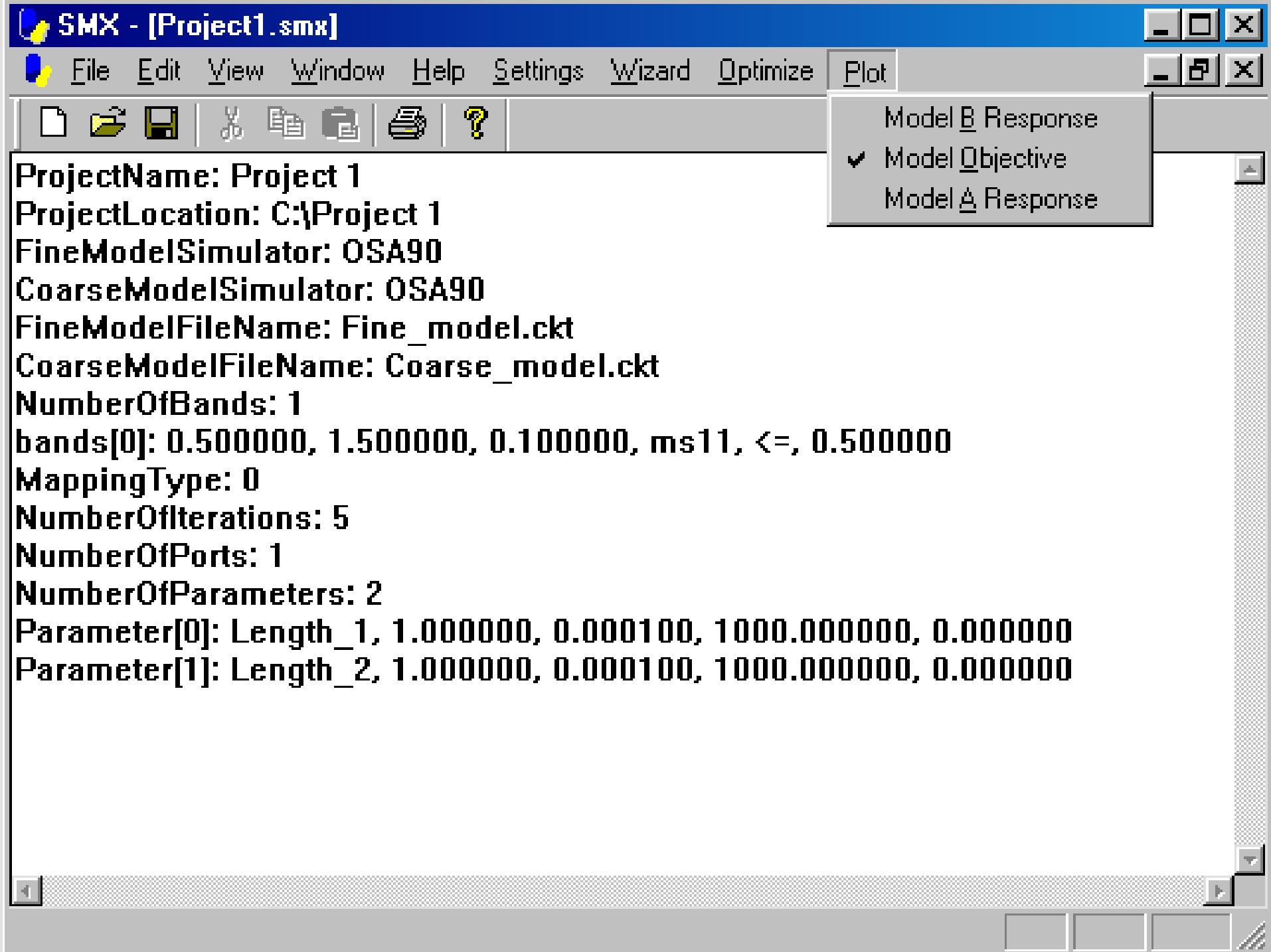
X-Tick

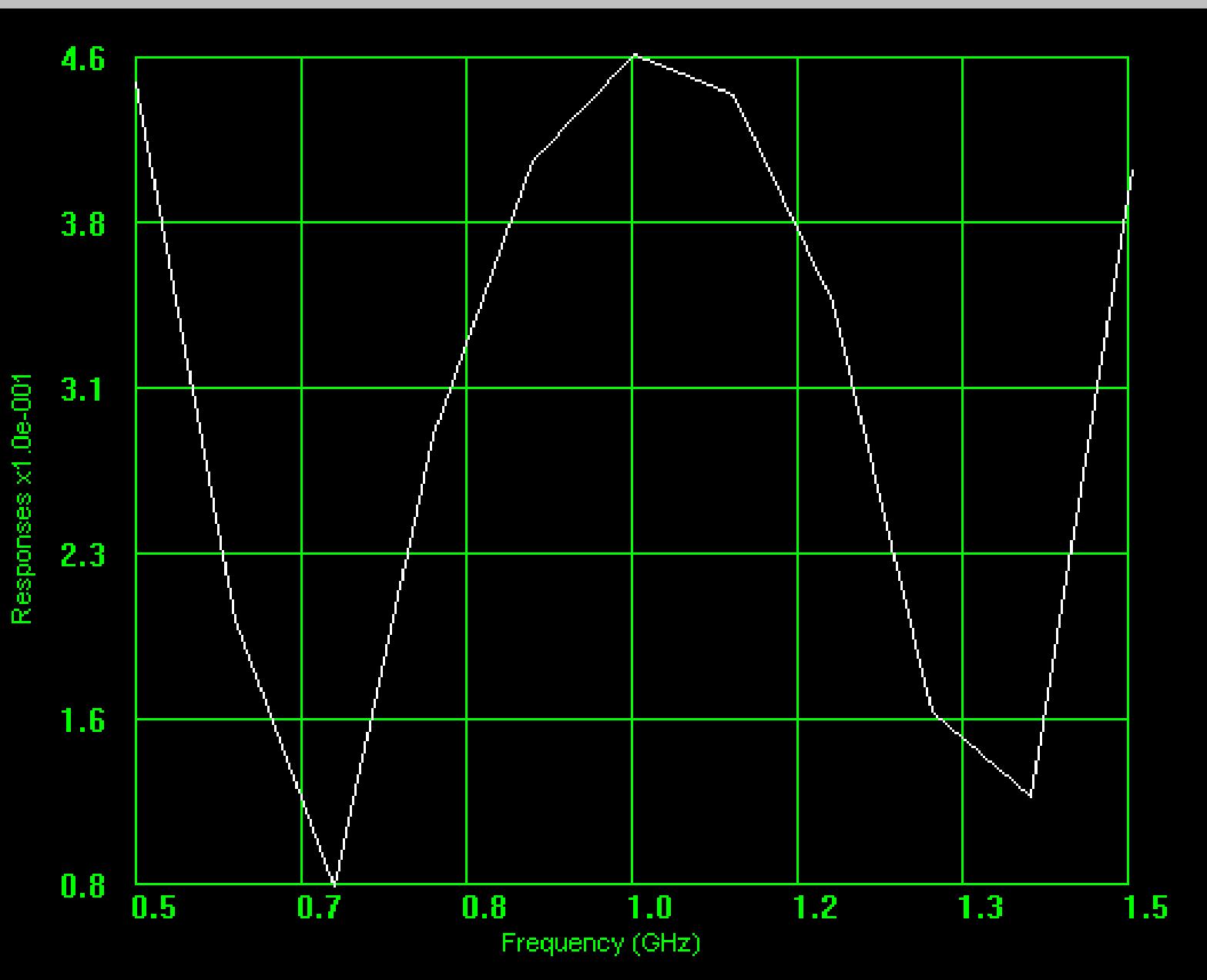
6  
[Up/Down Buttons]

Y-Tick

5  
[Up/Down Buttons]

Legend





Tick

Ticks

X-Tick

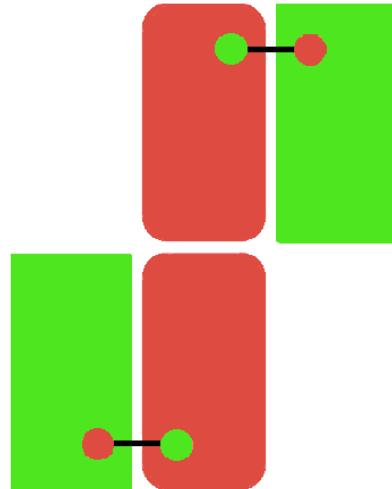
6  
[Up/Down Buttons]

Y-Tick

5  
[Up/Down Buttons]

Legend

— ms11



First International Workshop on  
**SURROGATE MODELLING AND SPACE MAPPING  
FOR ENGINEERING OPTIMIZATION**

Technical University of Denmark  
Lyngby, Denmark  
November 16-18, 2000