

1. Introduction
2. Installation
3. Model Settings

Model settings
UVVis settings
Ellipsometry settings
Simulation

Initial Guess

Film thickness [nm]
202.3

☐ Bruggeman roughness

Thickness [nm]
14.32

Air fraction
0.355

Thin film dielectric function model

Tauc Lorentz
?

Tauc Lorentz/Drude initial guess

Cauchy initial guess

eps\_1\_inf [-]
3.55

A
B [nm<sup>2</sup>]
☐ C [nm<sup>4</sup>]
☐ D [nm<sup>-2</sup>]

2.5
120000
3.18
3.18

Sellmeier initial guess

#### 4. UVVis Settings

Model settings
UVVis settings
Ellipsometry settings
Simulation

Layers Film
Substrate

Material ncSi
Other (upload nk file)

d [nm]
202.3
1000000

type
coherent
coherent

Substrate nk .csv file
x
?

UVVis measurement .csv file
x
?

Incident angle

R
8

T
0

Upper simulation limit [nm]
1000

Lower simulation limit [nm]
250

#### 5. Ellipsometry Settings

Model settings	UVVis settings	Ellipsometry settings	Simulation
<b>Layers Film</b>		<b>Substrate</b>	
Material <input type="text" value="ncSi"/>		Other (upload nk file) <input type="button" value="v"/>	
d [nm] <input type="text" value="200"/>		inf <input type="text"/>	
		<input type="button" value="Substrate nk .csv file"/> <input type="button" value="x"/> <input type="button" value="?"/>	
<div></div>			
<input type="button" value="Ellipsometry measurement .csv file"/> <input type="button" value="x"/> <input type="button" value="?"/>			
<div></div>			
Upper simulation limit [nm] <input type="text" value="1000"/>			
Lower simulation limit [nm] <input type="text" value="250"/>			
Minimum angle [deg] <input type="text" value="50"/> <input type="button" value="?"/>			
Minimum angle [deg] <input type="text" value="70"/>			
Stepsize [deg] <input type="text" value="10"/>			

## 6. Simulation Settings

Model settings	UVVis settings	Ellipsometry settings	Simulation
<b>Error weighting psi</b>		<input type="text" value="1"/>	<input type="button" value="?"/>
<b>Error weighting delta</b>		<input type="text" value="1"/>	
<b>Error weighting R</b>		<input type="text" value="1"/>	
<b>Error weighting T</b>		<input type="text" value="1"/>	

## 7. Data upload

- nk-Data substrate
- RT
- SE

## 8. Export results