# DoSA-Open_2D Install Guide

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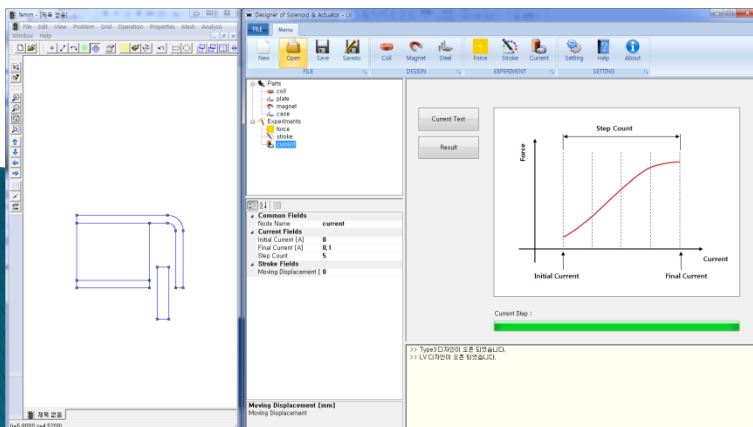
# FEMM Installation

➢ **FEMM download**

- [http://www.femm.info/wiki/OldVersions](http://www.femm.info/wiki/OldVersions)

- Download and install the **FEMM 4.2 25Feb2018** version.

**Old Versions**

- FEMM 4.2 25Feb2018 Win32 Self-Installing Executable (ReadMe)
- FEMM 4.2 25Feb2018 x64 Self-Installing Executable (ReadMe)
- FEMM 4.2 25Feb2018 Source Distribution (ReadMe)
- FEMM 4.2 12Jan2016 Win32 Self-Installing Executable (ReadMe)
- FEMM 4.2 12Jan2016 x64 Self-Installing Executable (ReadMe)
- FEMM 4.2 12Jan2016 Source Distribution (ReadMe)
- FEMM 4.2 01Nov2015 Win32 Self-Installing Executable (ReadMe)

➢ **FEMM Installation**

- The installation is performed by default.
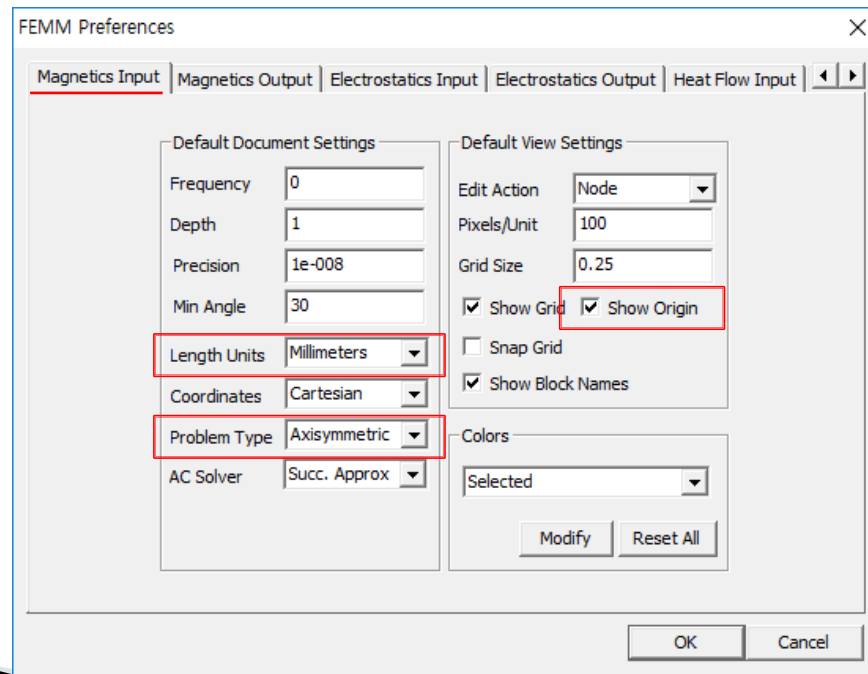
Open Actuator Project
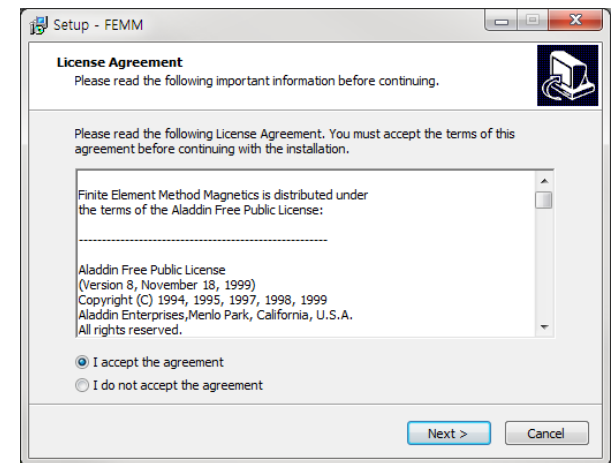
# FEMM Setting

> ## FEMM Settings

- Open installed FEMM
- Open Installation Window : Main Menu > Edit > Preferences …
- Exit FEMM after Setting is completes

**[ Magnetics Input ]**



- Length Units : Millimeters
- Problem Type : Axisymmetric
- Show Origin check

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# Run the DoSA

➢ **Download the DoSA-Open_2D Installation files**

- http://solenoid.or.kr/index_dosa_open_2d_eng.html

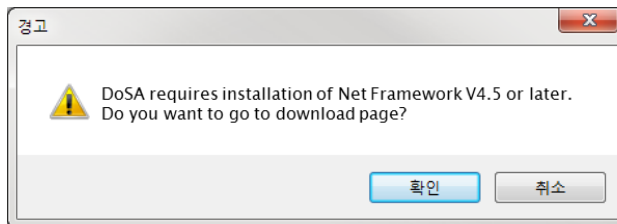| | |
|---|---|
| **Project Name** | DoSA-Open_2D (Designer of Solenoids & Actuators) |
| **Project Leader** | GiTae Kweon ( zgitae@gmail.com ) |
| **GitHub** | https://github.com/OpenActuator/DoSA-Open_2D |
| **Bulletin Board** | https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng |
| **Donation** | DoSA-Open Project Donation |
| **File Download** | - DoSA-Open_2D Installation File : DoSA-Open_2D_Setup.exe<br>- Installation Guide : Install_Guide_ENG.pdf<br>- Solenoid Example File : Solenoid_Sample_ENG.pdf<br>- VCM Example File : VCM_Sample_ENG.pdf |
| **Introduction** | 2D Open source actuator simulation software that can predict the performance of actuators in a similar working environment to the development of actuators |

➢ **DoSA-Open_2D Install**

Install DoSA-Open_2D_Setup.exe with Default Options

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# Run the DoSA

➢ **Handle differently depending on the notification window after running DoSA-Open_2D**



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경고

⚠ The configuration file can not be found.
The program can run after finishing configuration.

확인

➡ **Go to next page**

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경고

⚠ DoSA requires installation of Net Framework V4.5 or later.
Do you want to go to download page?

확인    취소
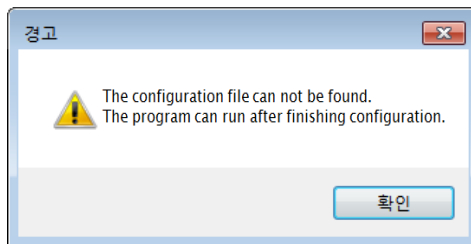
➡ **Version issues**

**Go to Last page
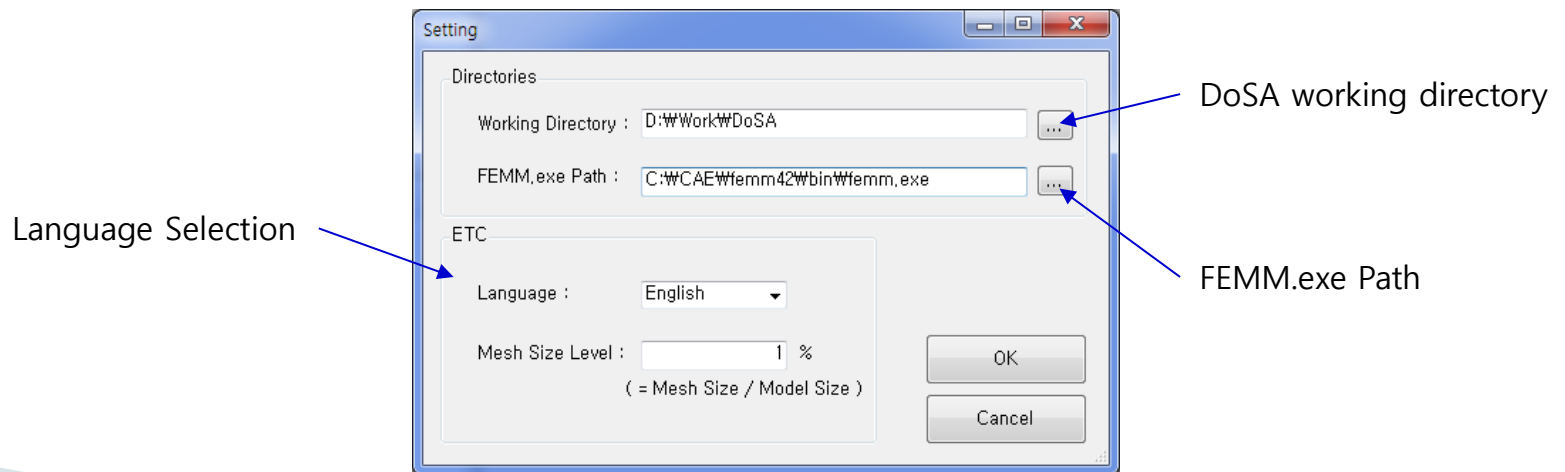Of Net Framework Installation**

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# DoSA Settings

➢ **Program Setting**

- In case of the first execution, the warning window on the right side appears.

- First, Create a DoSA working directory in the appropriate location.

- When you close the warning window,
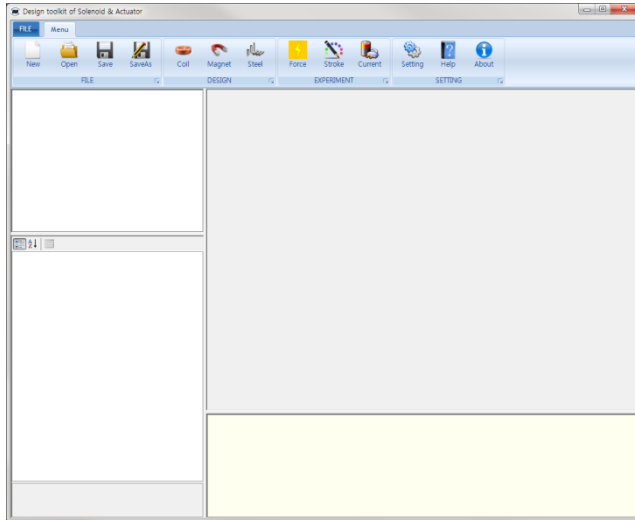  the following configuration window appears.
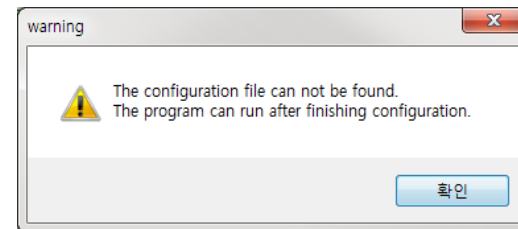


- In the Setting window, select the working directory and the FEMM.exe path.
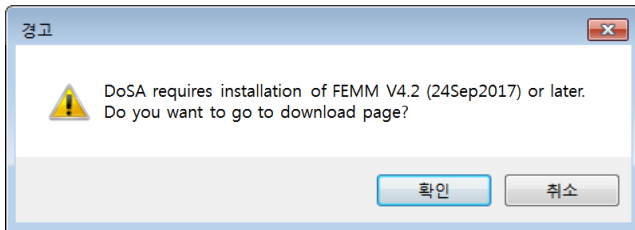


Language Selection

DoSA working directory

FEMM.exe Path

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# Finish installation

➢ After setting, proceed according to the following window.



**Install Complete**
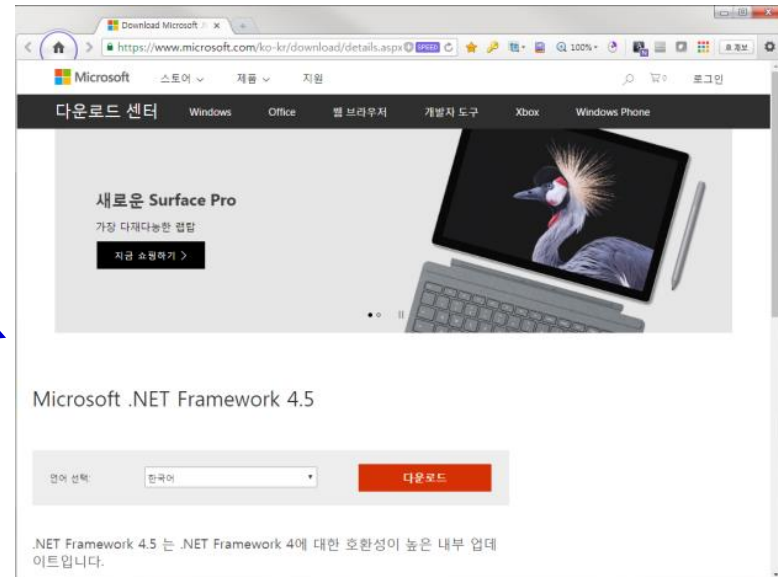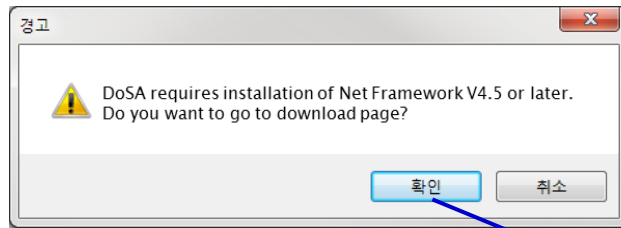


**FEMM Version issues**

**Please refer to the first page,
install the FEMM 4.2 25Feb2018 version
and run DoSA.exe again**

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# [ Ref. ] Net Framework installation

➢ **Net Framework Install**

- If Net Framework is not installed in the system, the alert window(shown below) appears.

- If you click Okay button, the download page of Net Framework 4.5 will appear.



➢ **Net Framework Installation**

- After download, install Net Framework.

- After installing Framework, run DoSA.exe again and continue to install DoSA.

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# Thank You