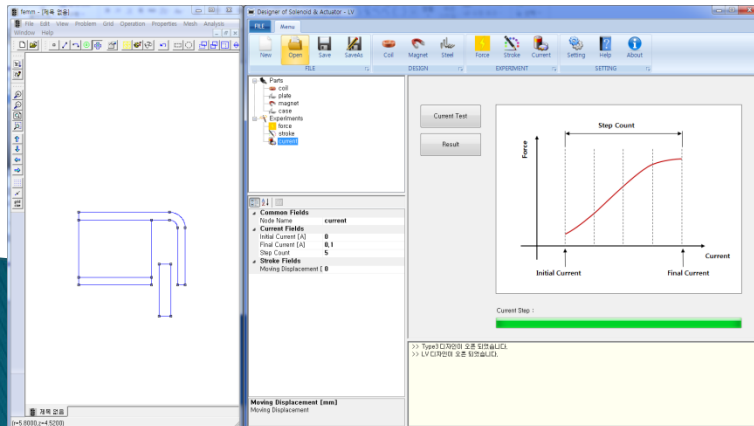


DoSA-Open_2D Install Guide



2021-03-27
zgita@gmail.com

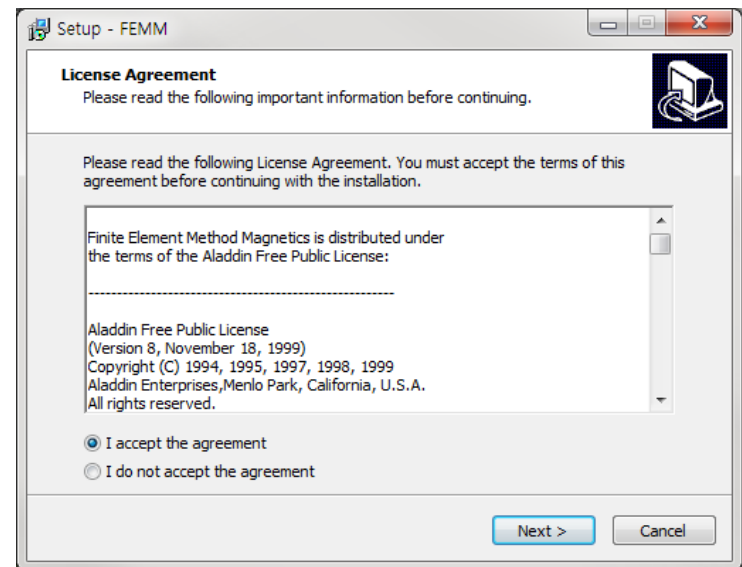
FEMM Installation

➤ FEMM download

- <https://www.femm.info/wiki/Download>
- Download and install the latest version of FEMM.

➤ FEMM Installation

- The installation is performed by default.

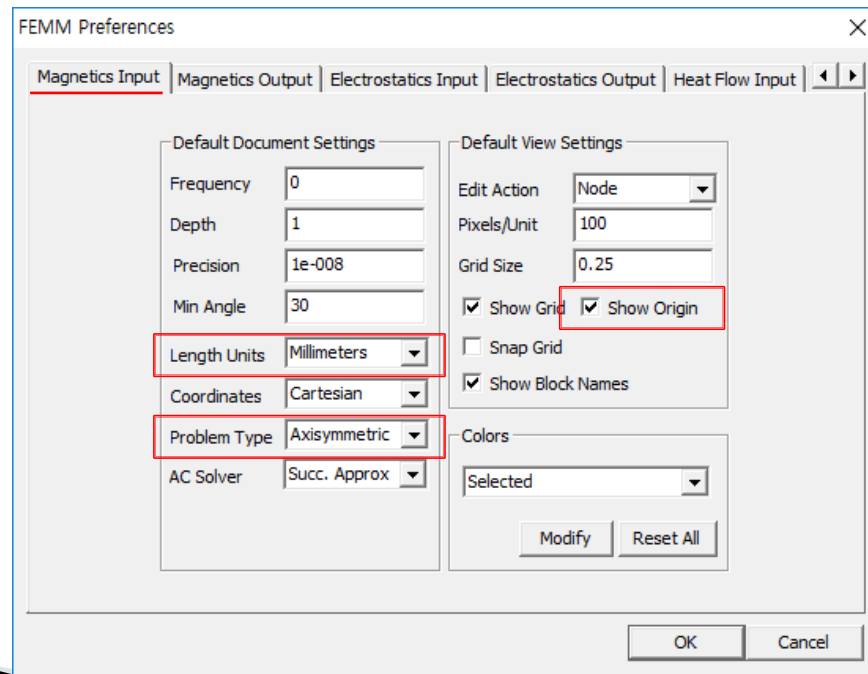


FEMM Setting

➤ 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

Download 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	<div>- DoSA-Open_2D Installation File : DoSA-Open_2D_Setup_ver(0.9.11.0).zip - Installation Guide : Install_Guide_ENG.pdf - Solenoid Example File : Solenoid_Sample_ENG.pdf - VCM Example File : VCM_Sample_ENG.pdf</div>
Introduction	2D Open source actuator simulation software that can predict the performance of actuators in a similar working environment to the development of actuators

- Download the DoSA-Open_2D_Setup_ver(x.x.x.x).zip and Unzip it.

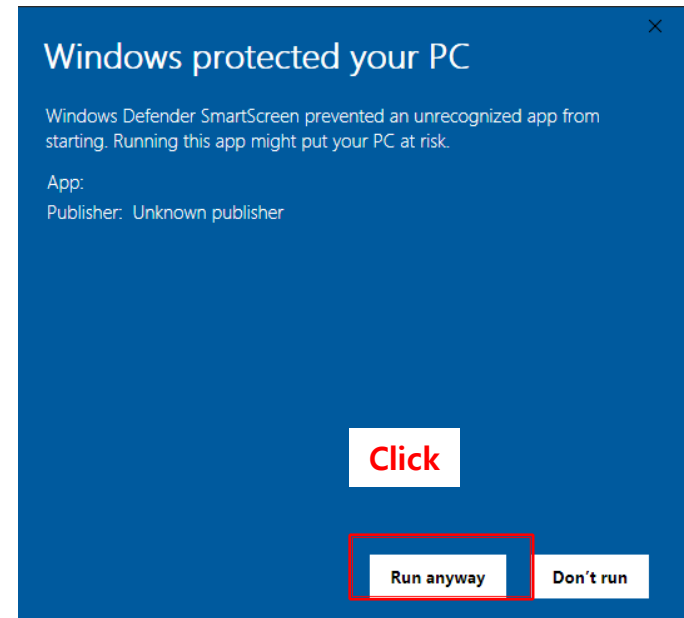
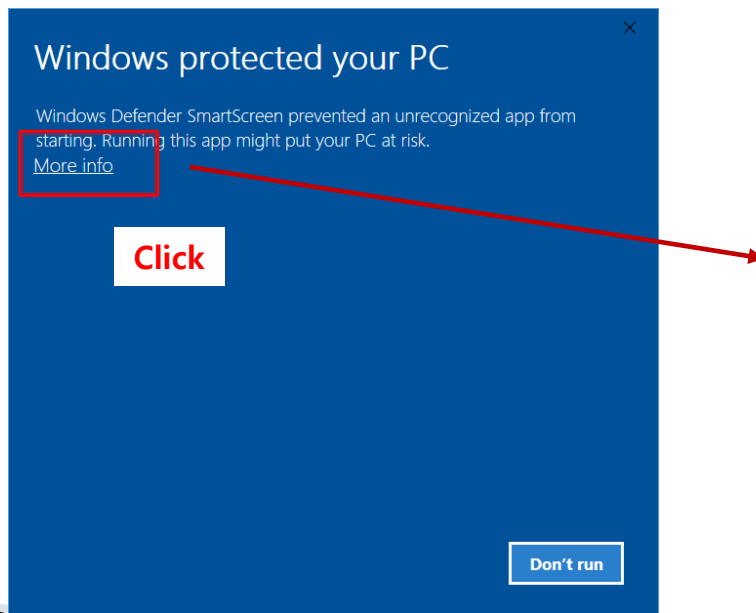
Install the DoSA

➤ Install DoSA-Open_2D.exe

- Start to install the DoSA-Open_2D_Setup_ver(x.x.x.x).exe.

➤ Problem of “windows protected your pc”

- Windows 10 has a protect function of a install file that don't have a digital signature. This screen appears because DoSA-Open is not included due to the cost of digital signature.

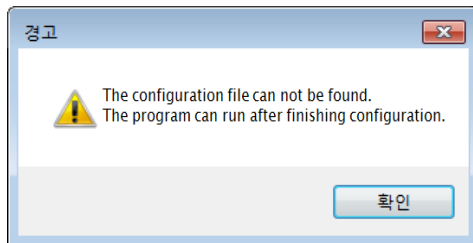


Run the DoSA

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

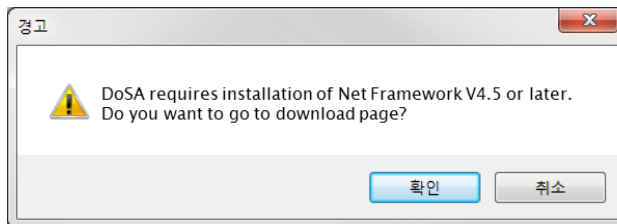


Case.1



Go to next page

Case.2



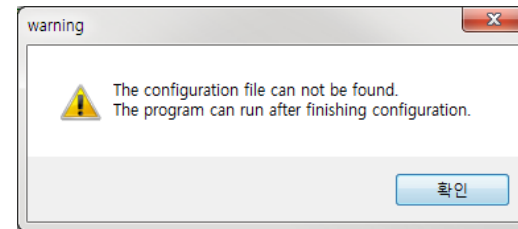
Version issues

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

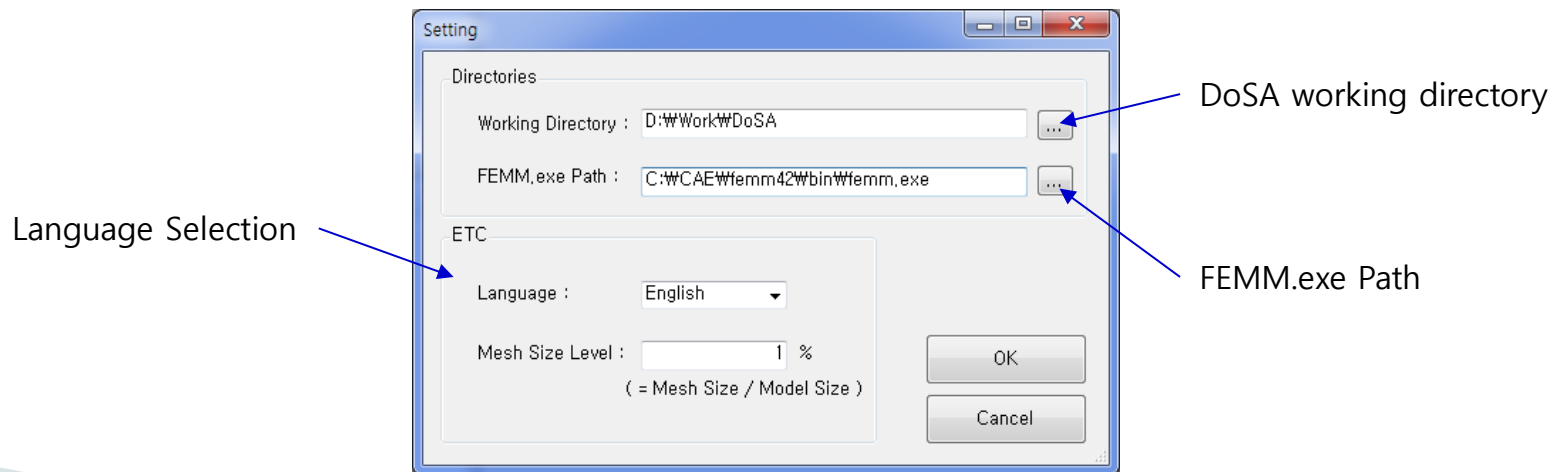
DoSA Settings

➤ 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.

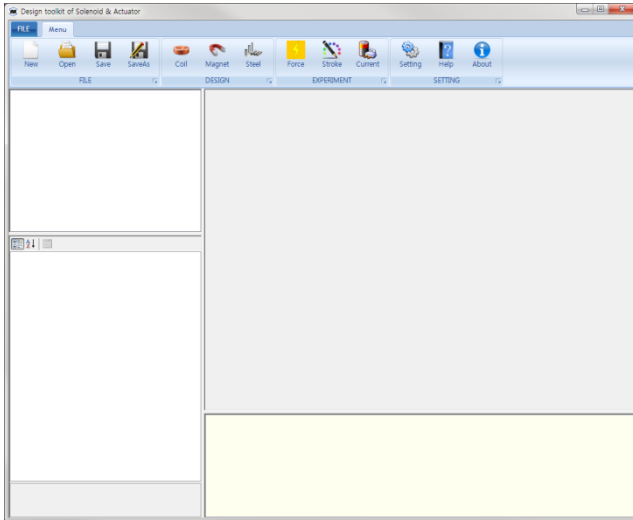


- In the Setting window, select the working directory and the FEMM.exe path.

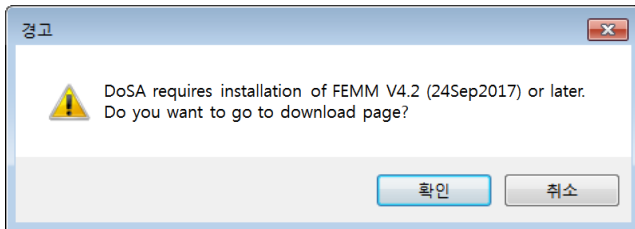


Finish installation

- After setting, proceed according to the following window.



Install Complete



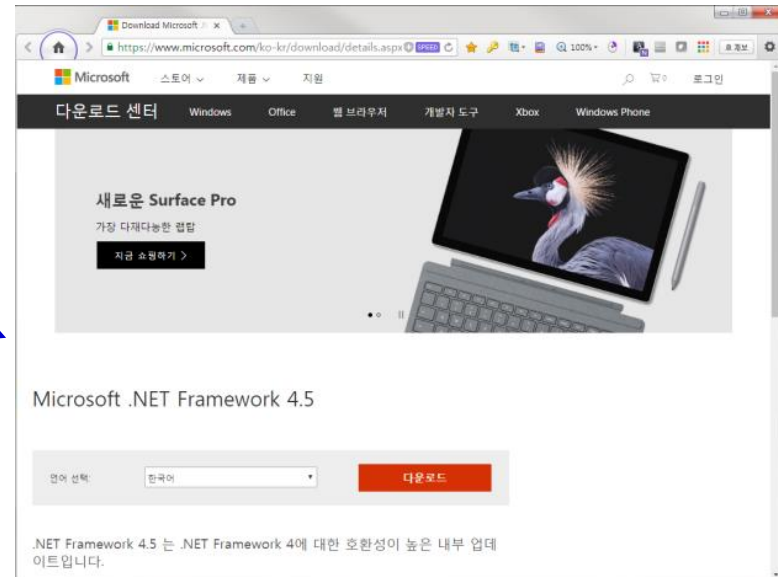
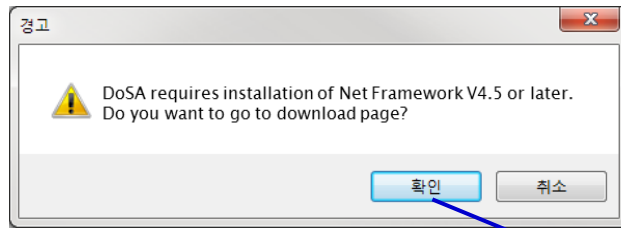
FEMM Version issues

Please refer to the first page,
install the latest version of FEMM and run
DoSA.exe again

[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.

감사합니다

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Homepage : <http://openactuator.org>

