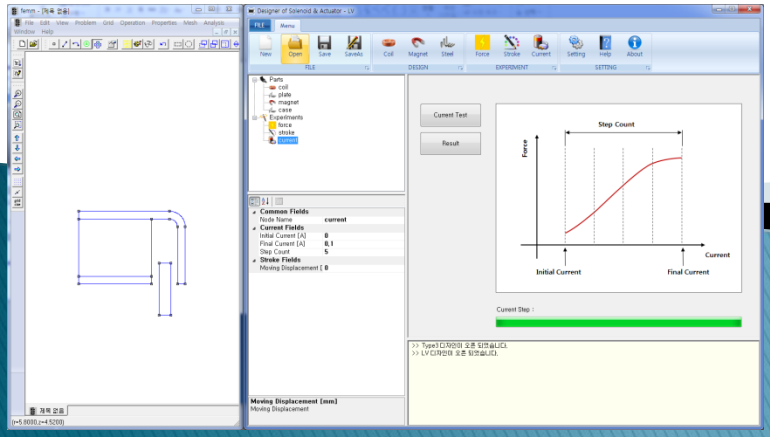
DoSA Install Guide



2019-11-09

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FEMM Installation

- **FEMM download**

  - http://www.femm.info/wiki/OldVersions

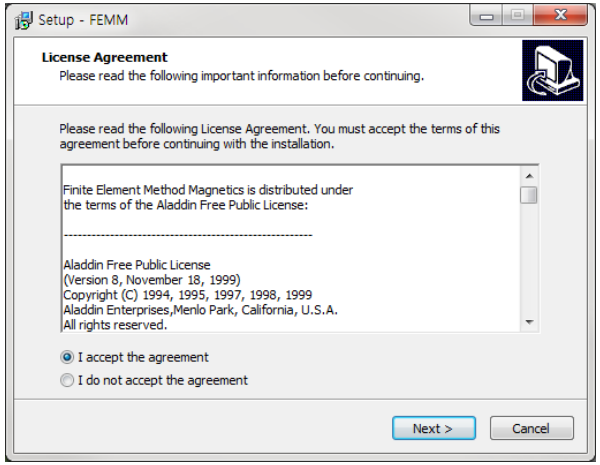
  - Download and install the **FEMM 4.2 25Feb2018** version.

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.

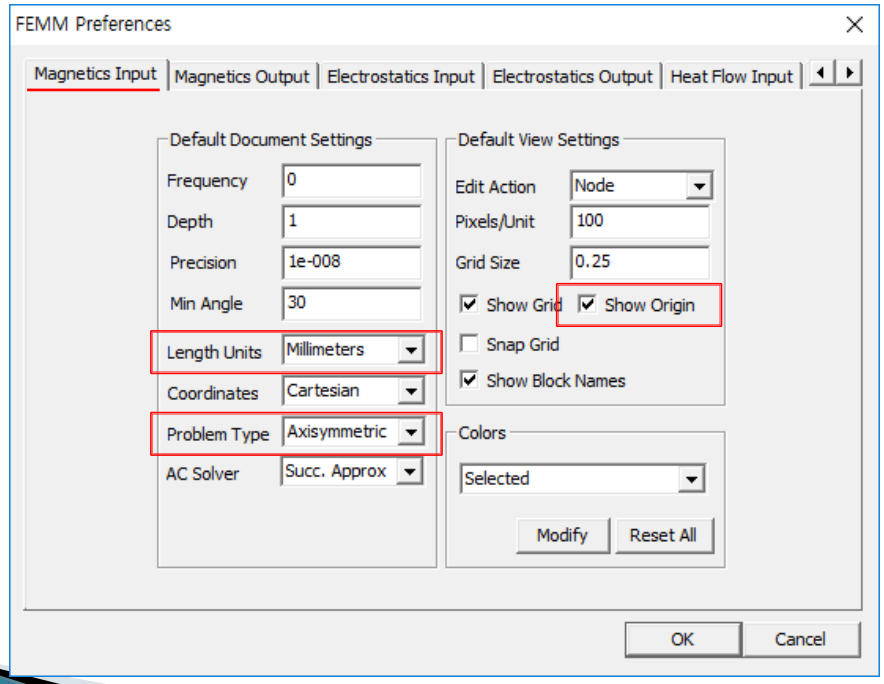


FEMM Setting

➢ 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

Run the DoSA

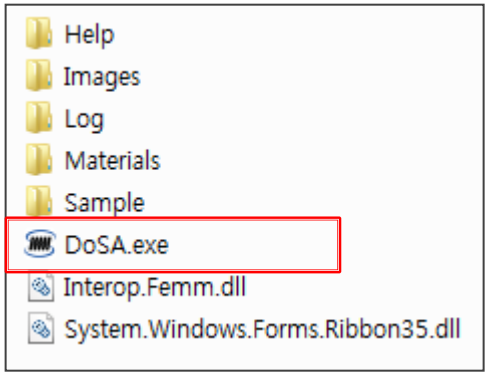
- **Downloading and unzipping DoSA file**

  - http://solenoid.or.kr/openactuator/dosa_open_eng.htm

Summary

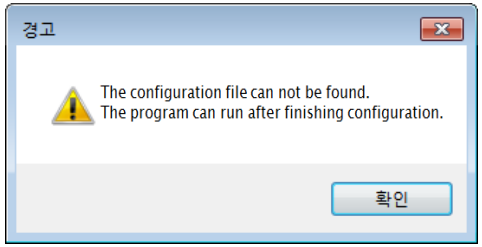
Project Name	DoSA-Open (Designer of Solenoids & Actuators)
Project Leader	GiTae Kweon (zgitae@gmail.com)
GitHub	https://github.com/OpenActuator/DoSA-Open_2D
Bulletin Board	https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng
File Download	DoSA-Open Exe Files (Ver 0.9.6) DoSA-Open Installation Help
Introduction	Open source actuator simulation software that can predict the performance of actuators in a simi development of actuators

- **Run the DoSA**
  - Locate DoSA directory in a suitable location.
  - Run DoSA.exe in DoSA directory.

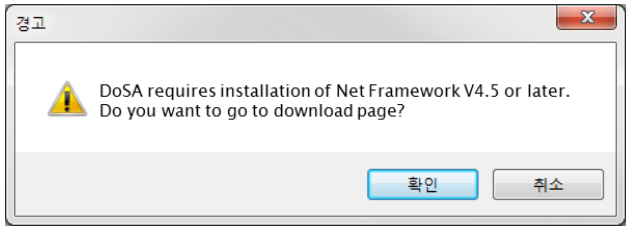


Run the DoSA

- **Runs differently depending on the notification window of DoSA**



Go to next page



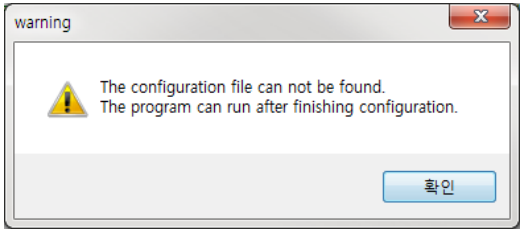
Version issues

Go to Last page
Of Net Framework Installation

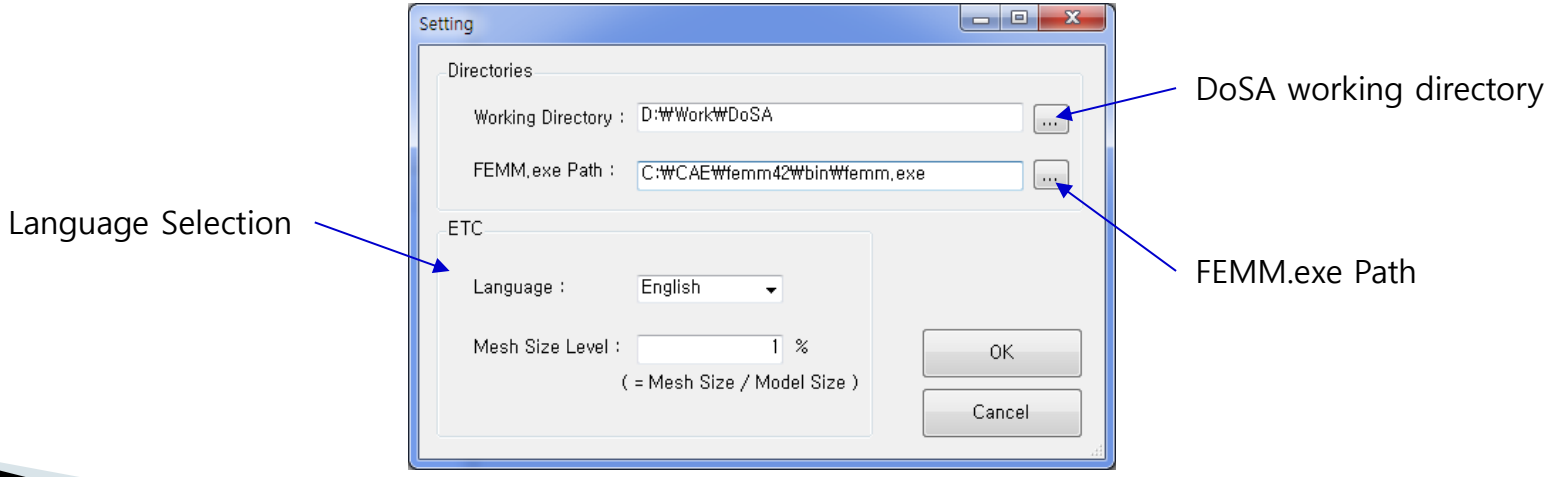
DoSA Settings

➢ 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.

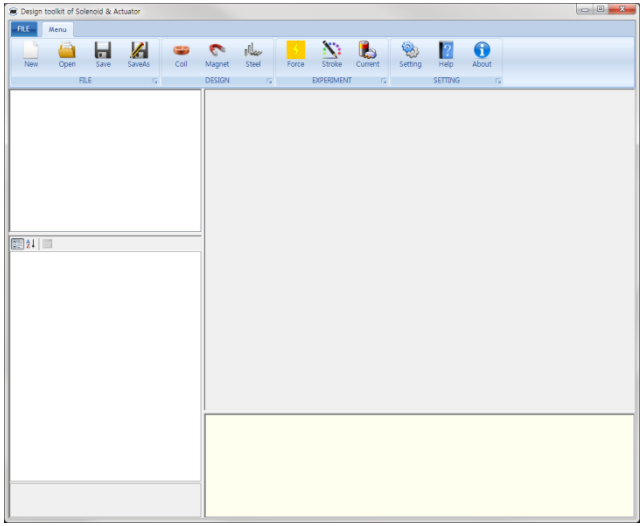


- In the Setting window, select the working directory and the FEMM.exe path.

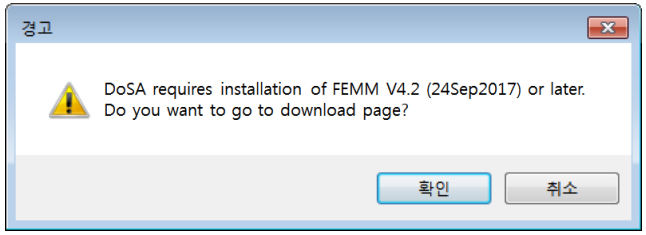


Finish installation

➢ After setting, proceed according to the following window.



Install Complete



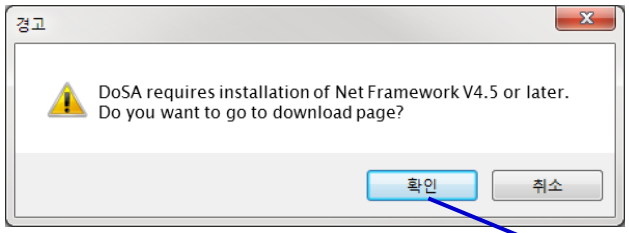
FEMM Version issues

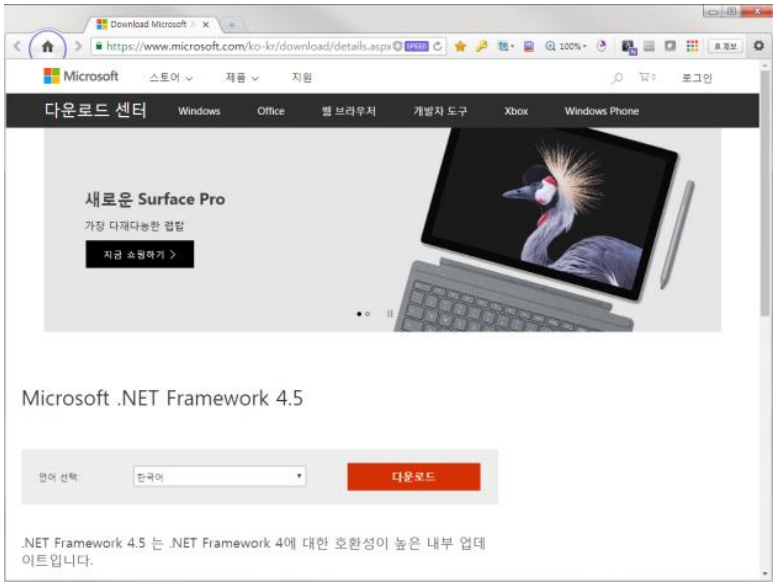
**Please refer to the first page,
install the version after 24Sep2017 and
run DoSA.exe again**

Thank You

[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.