

Portfolio

Top-class Mechanical Engineer

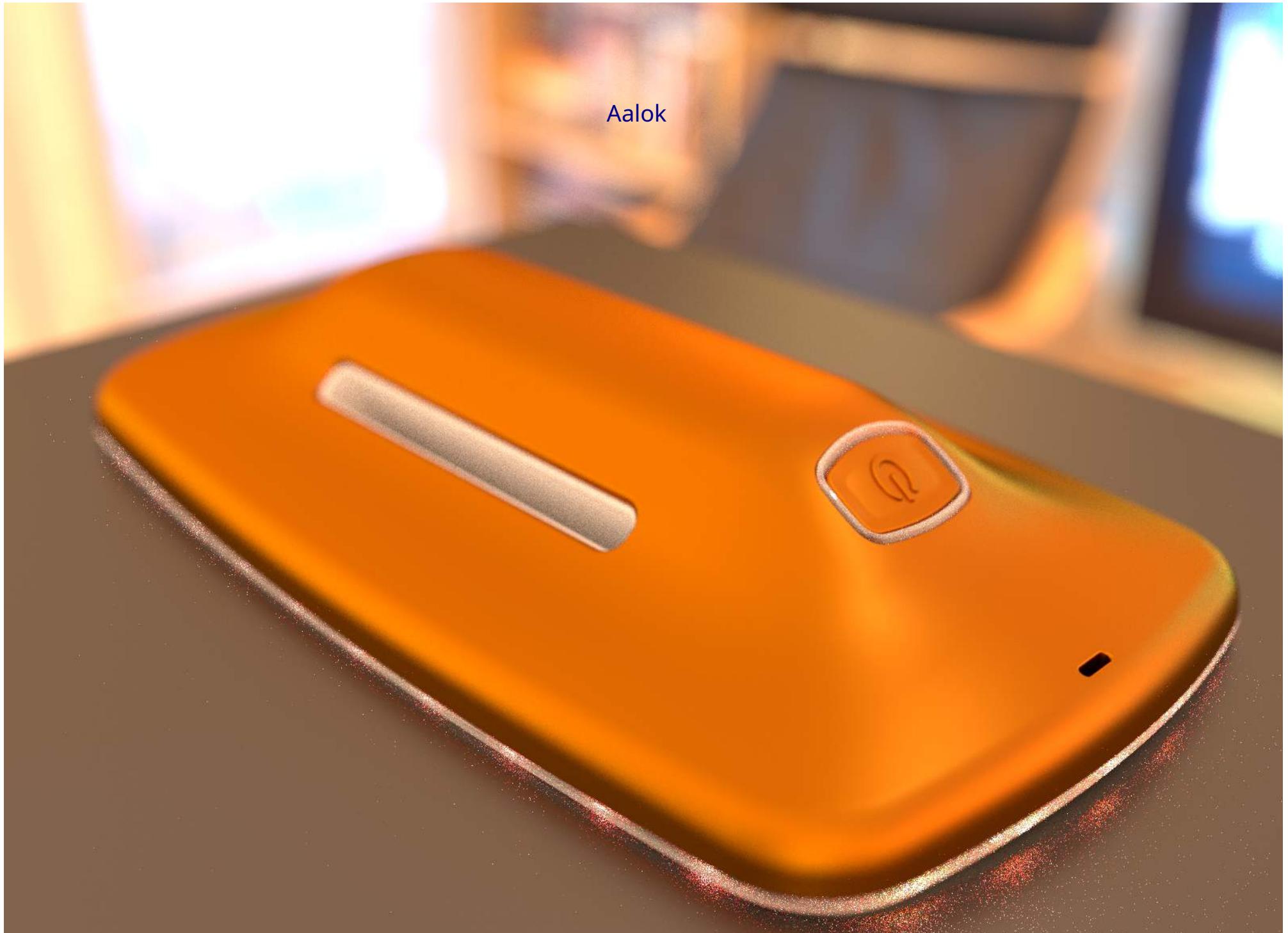
20181119 / 김동호

Healthcare

2017~2018

Oh'BRIGHT CARE

Aalok



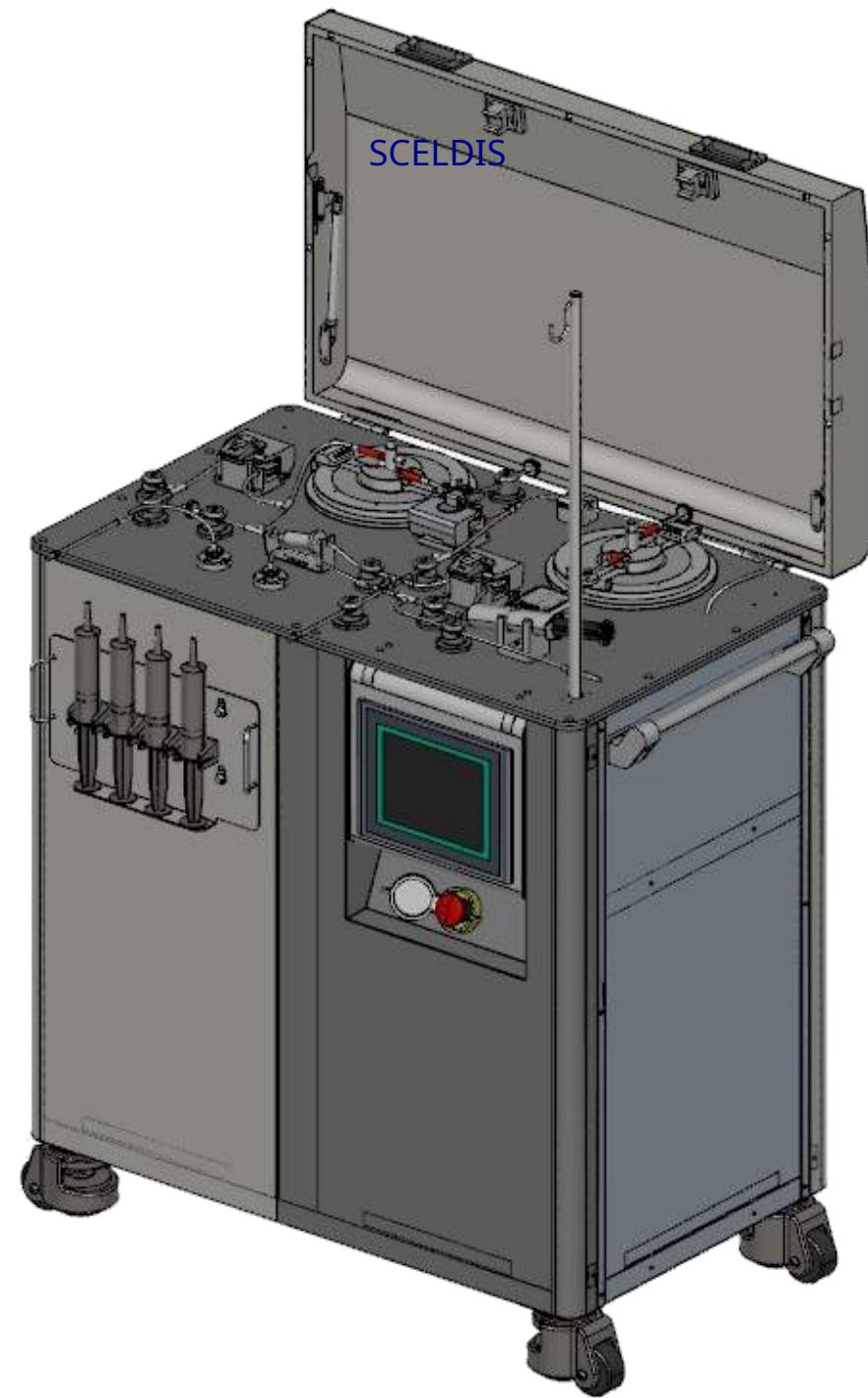


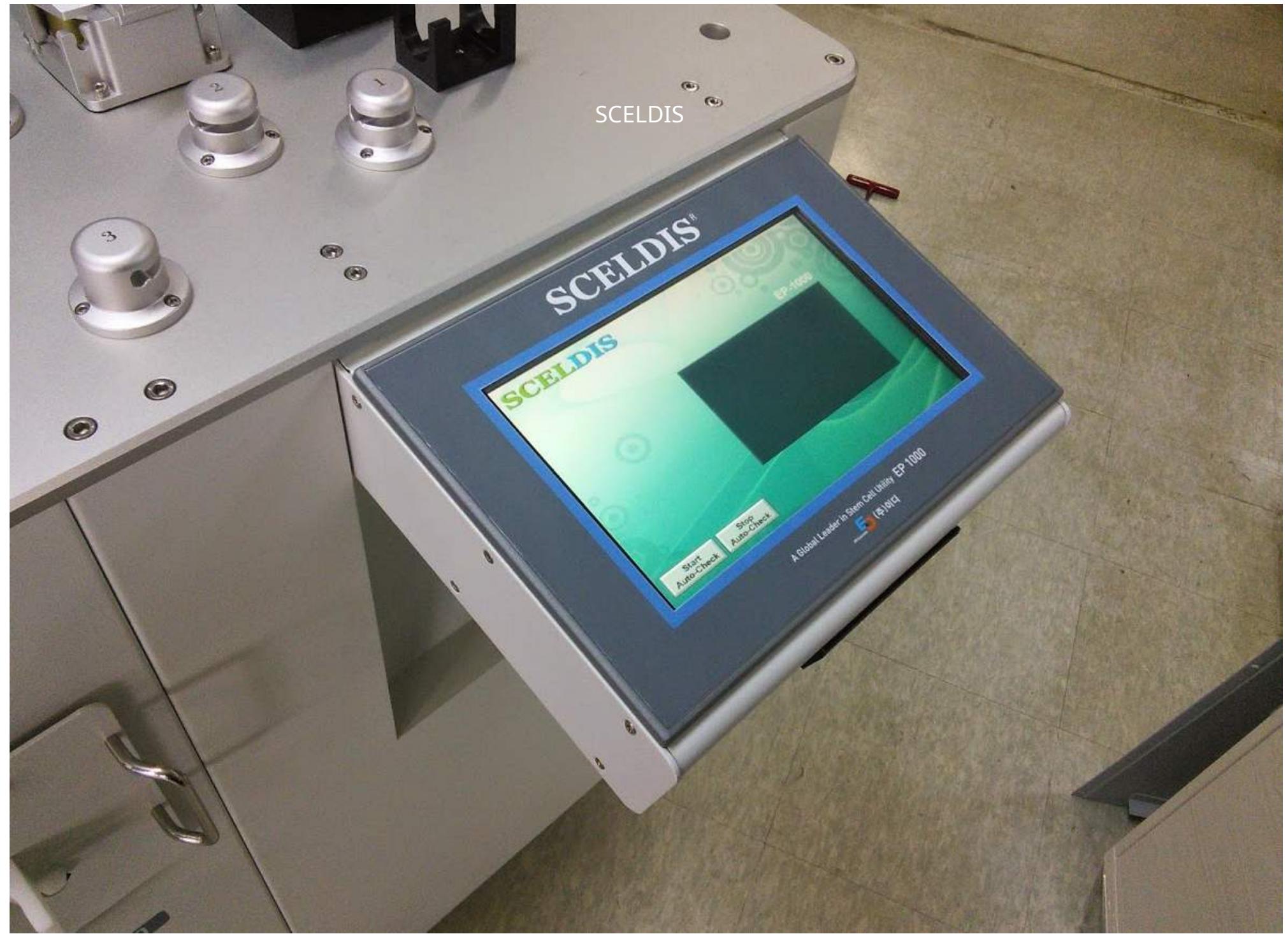
LLT-1

Medical Devices

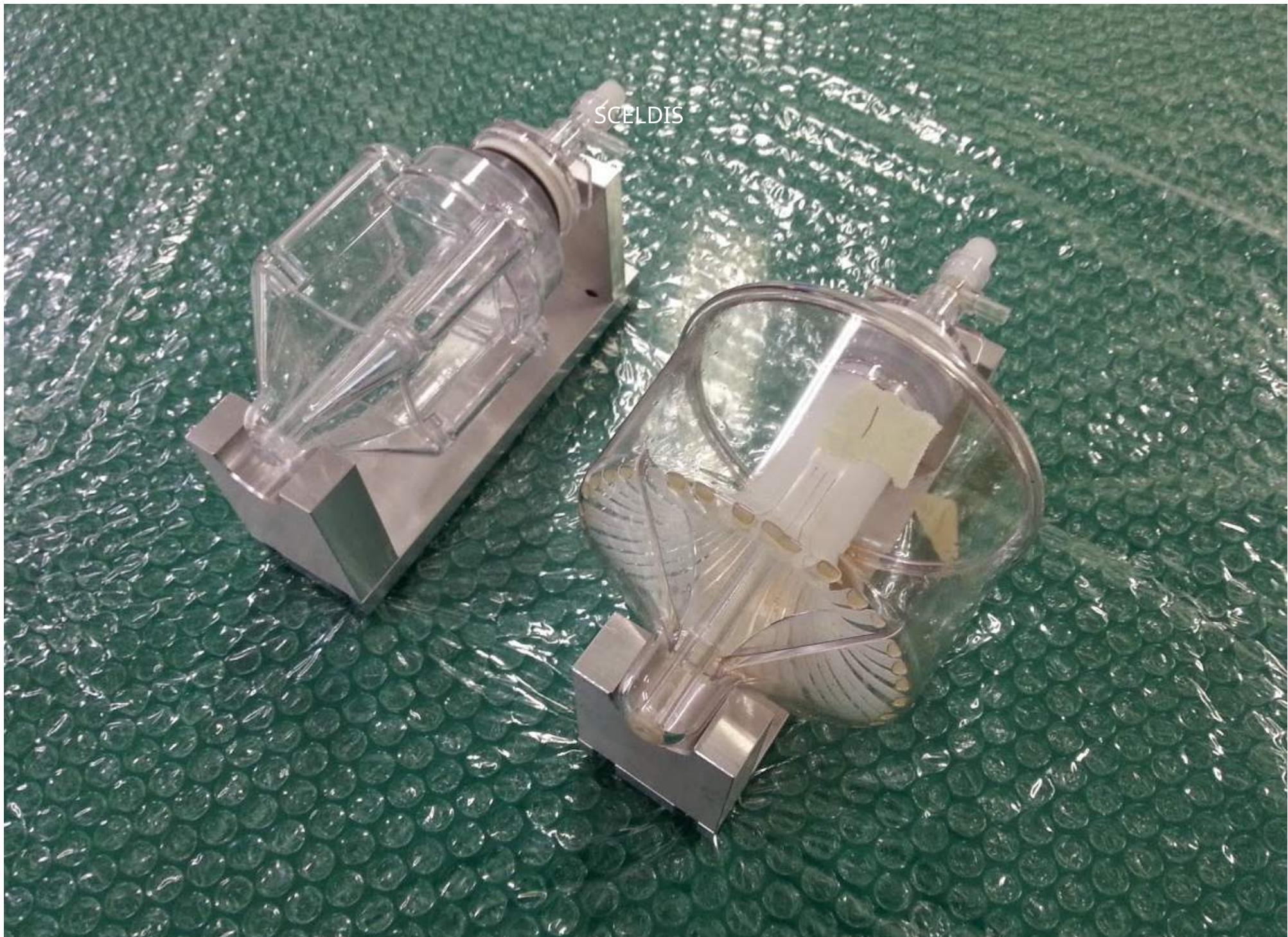
2009~2015



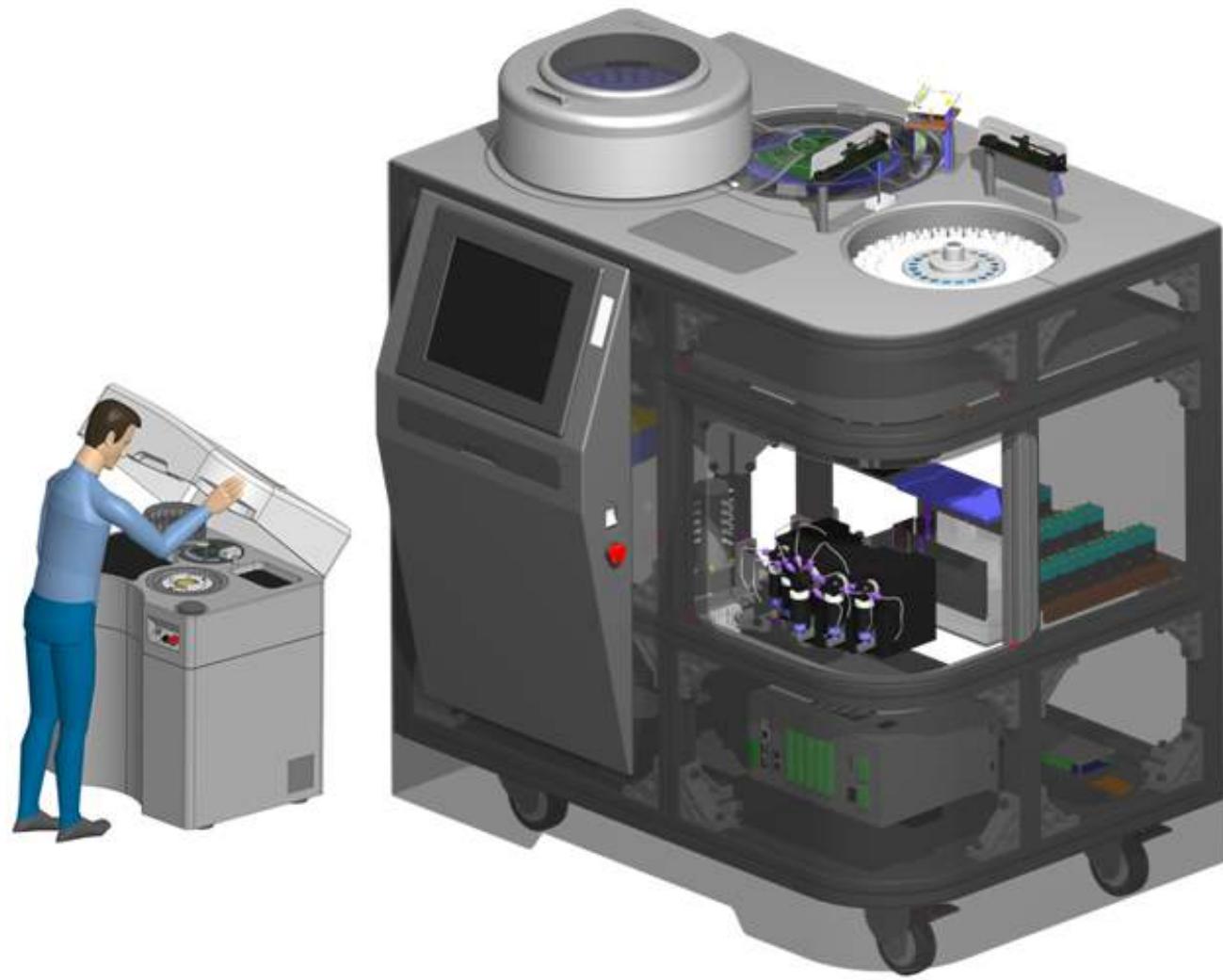




SCELDIS



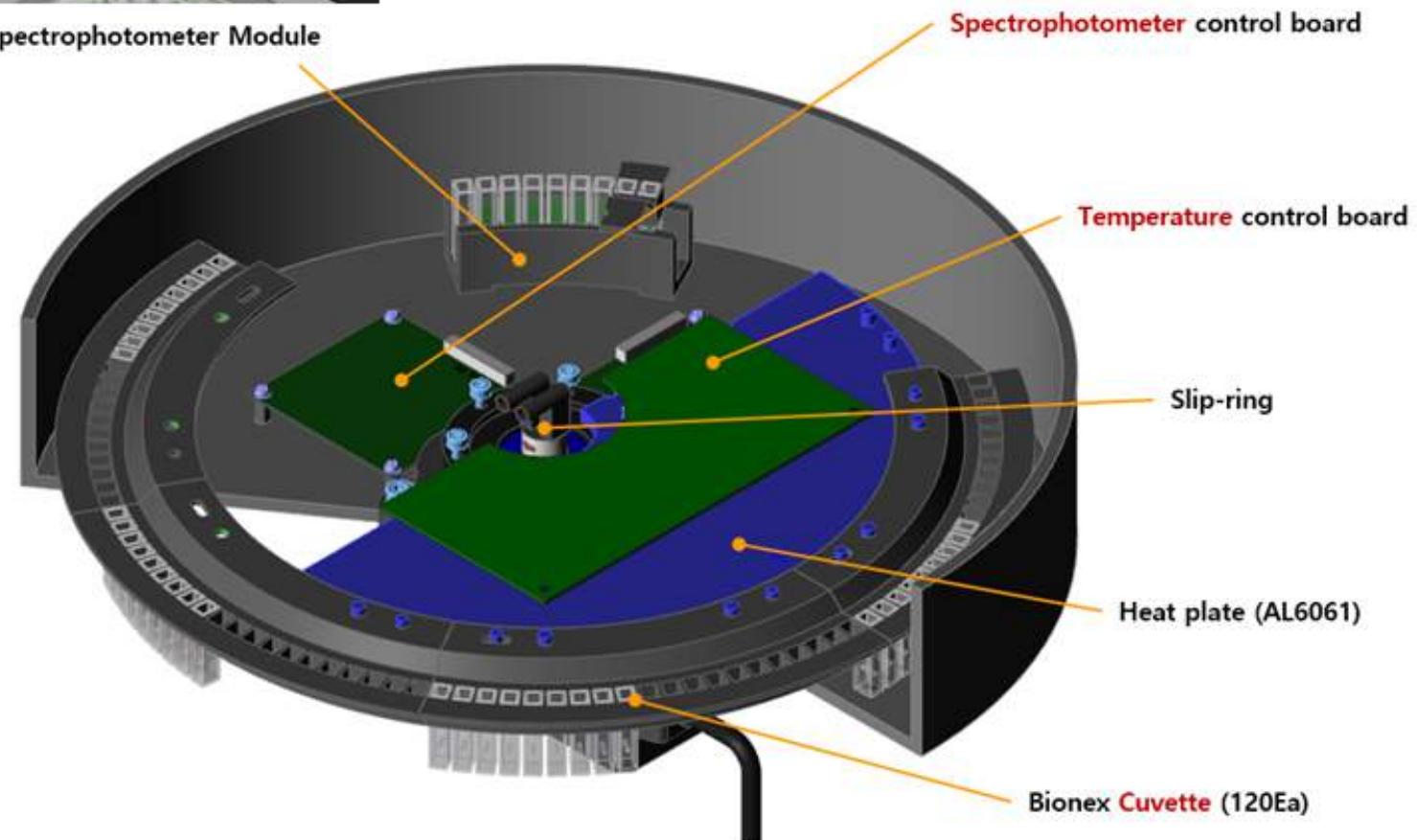
BIO





BIO

Spectrophotometer Module

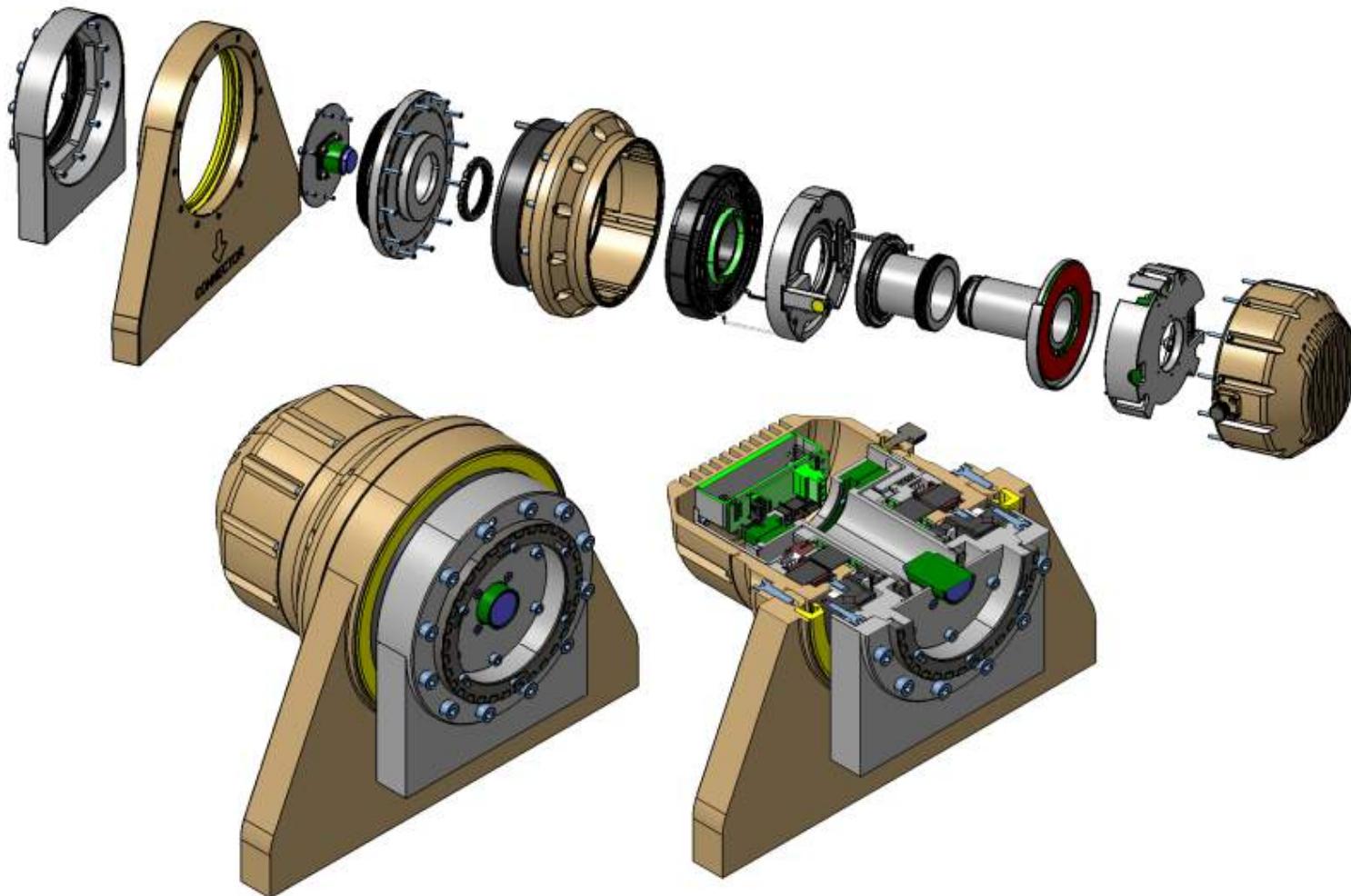


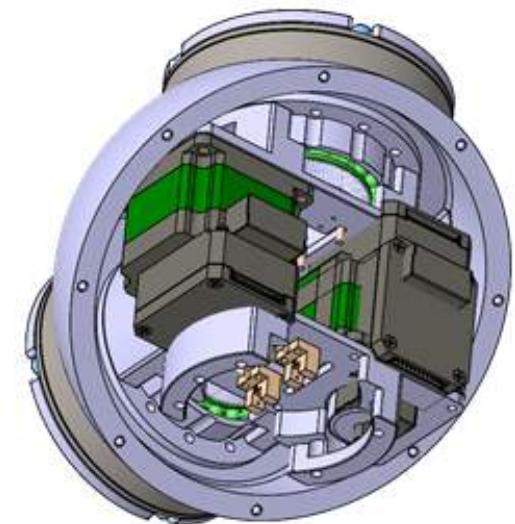
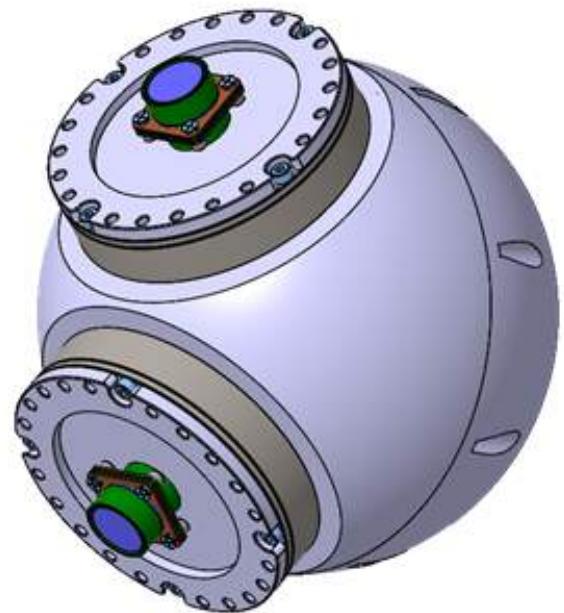
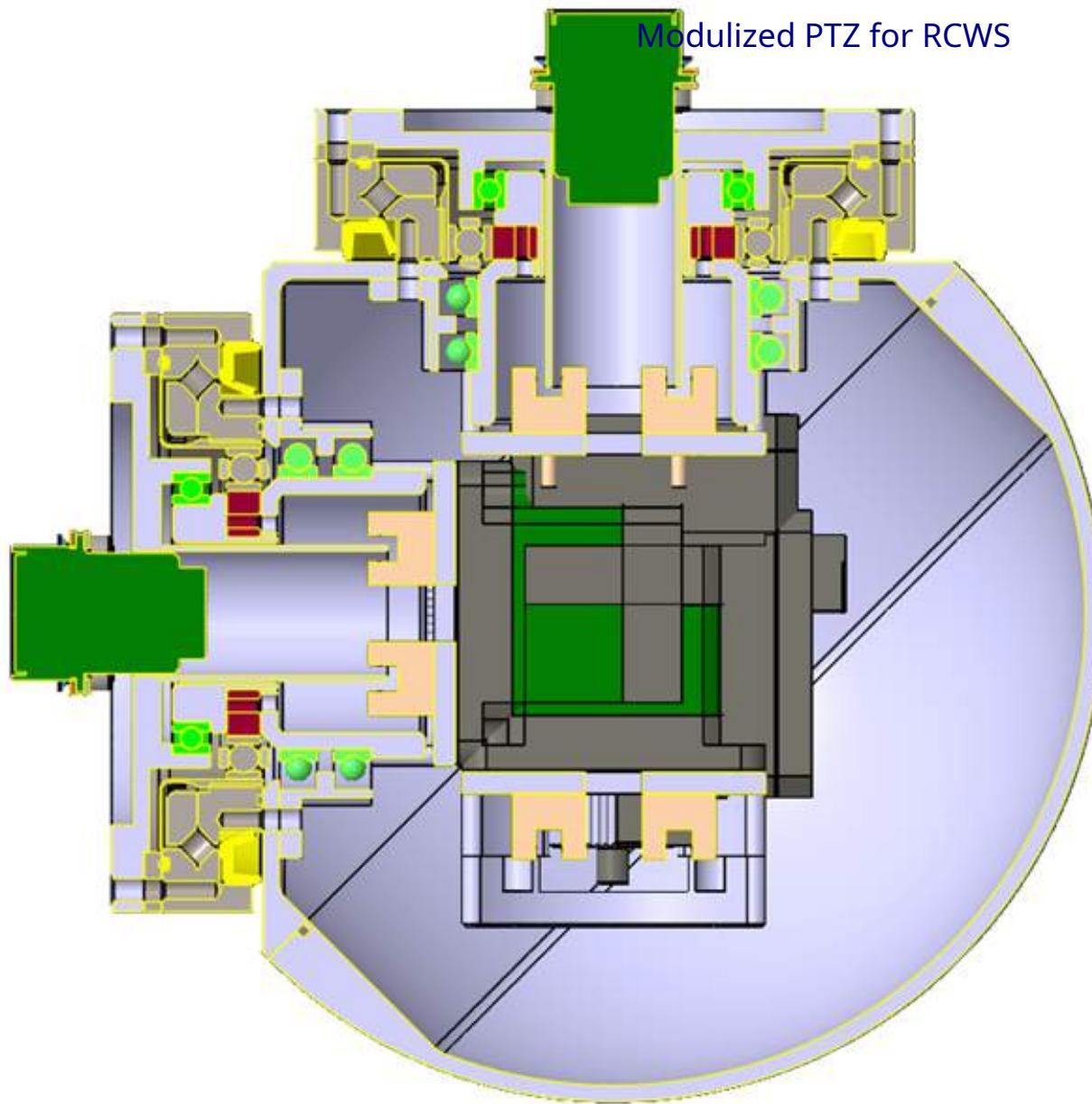
Defence Robots

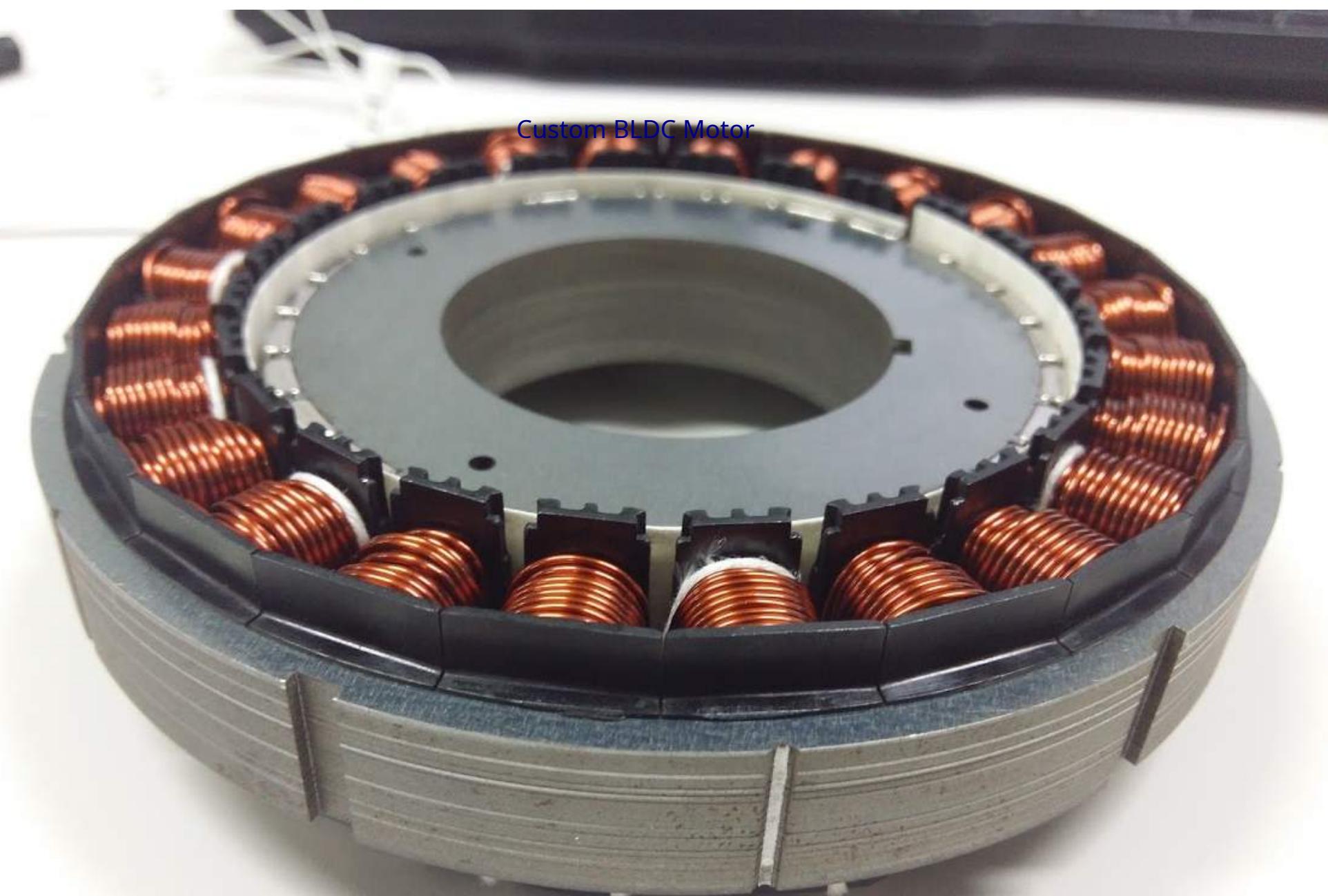
2015~2016



Modulized Smart Actuator for RCWS

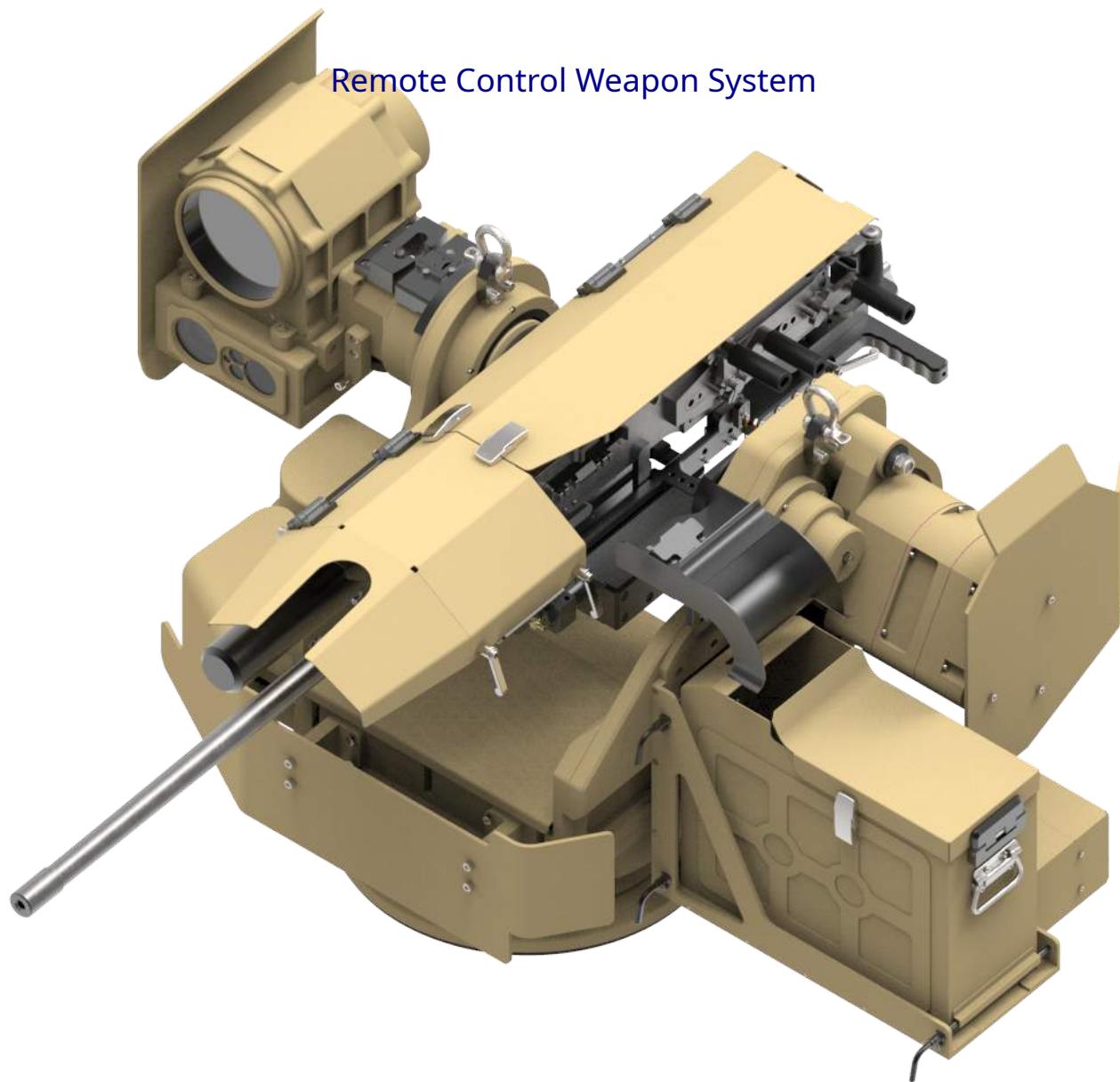




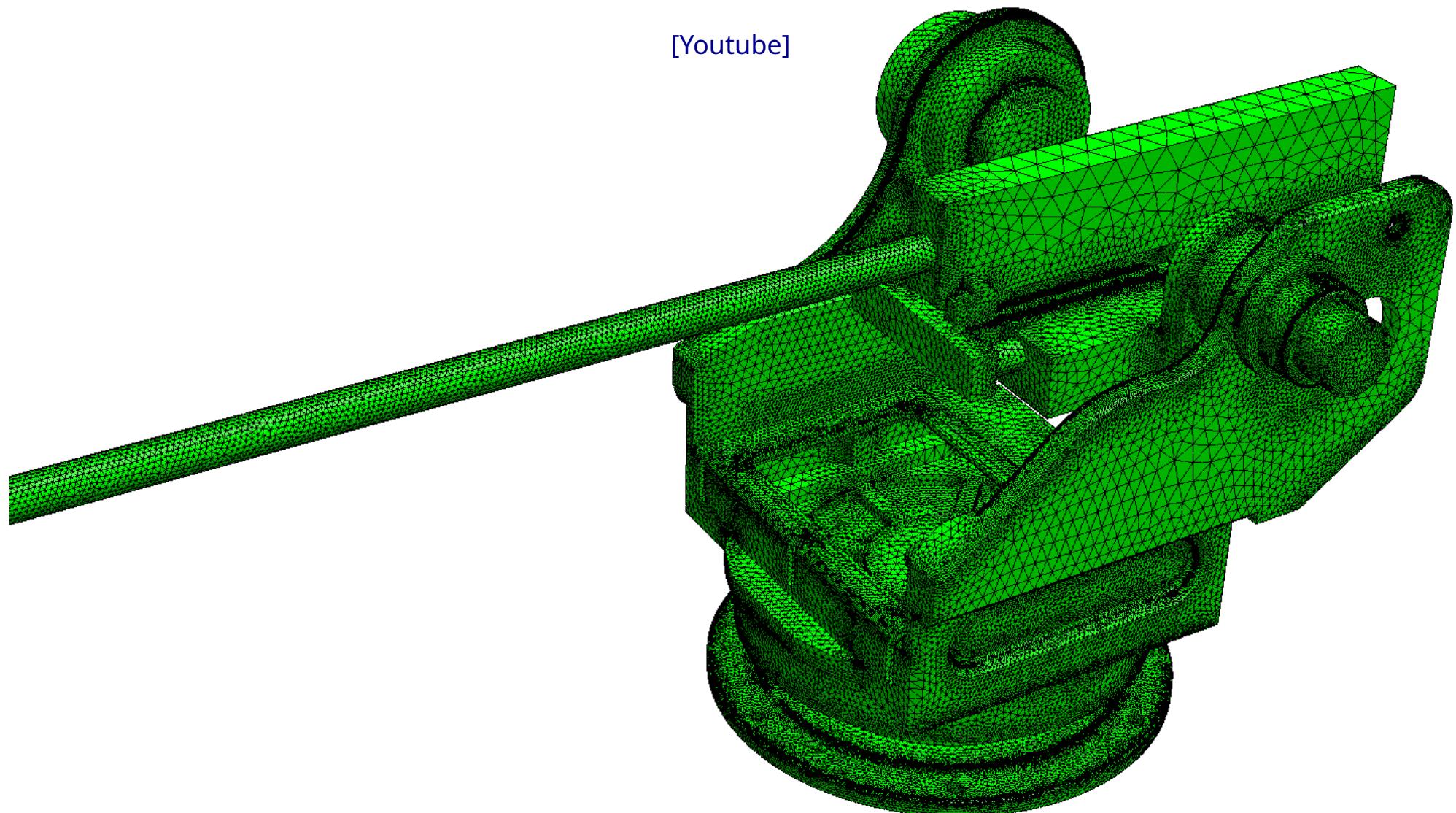


Custom BLDC Motor

Remote Control Weapon System



Dynamic FEA in Shooting

[\[Youtube\]](#)

Netg

Remote Control Weapon System



Shooting Test

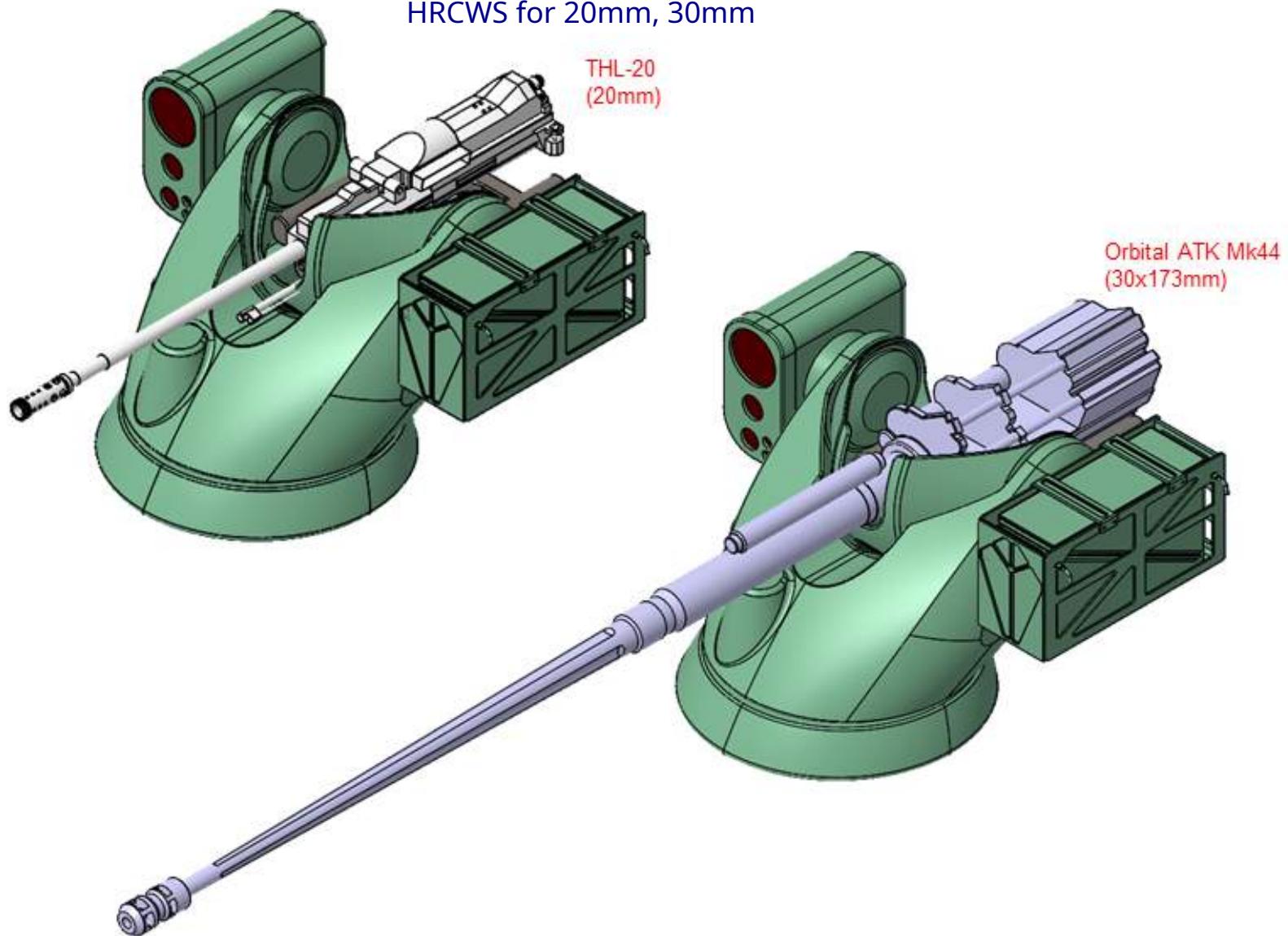
[YouTube]

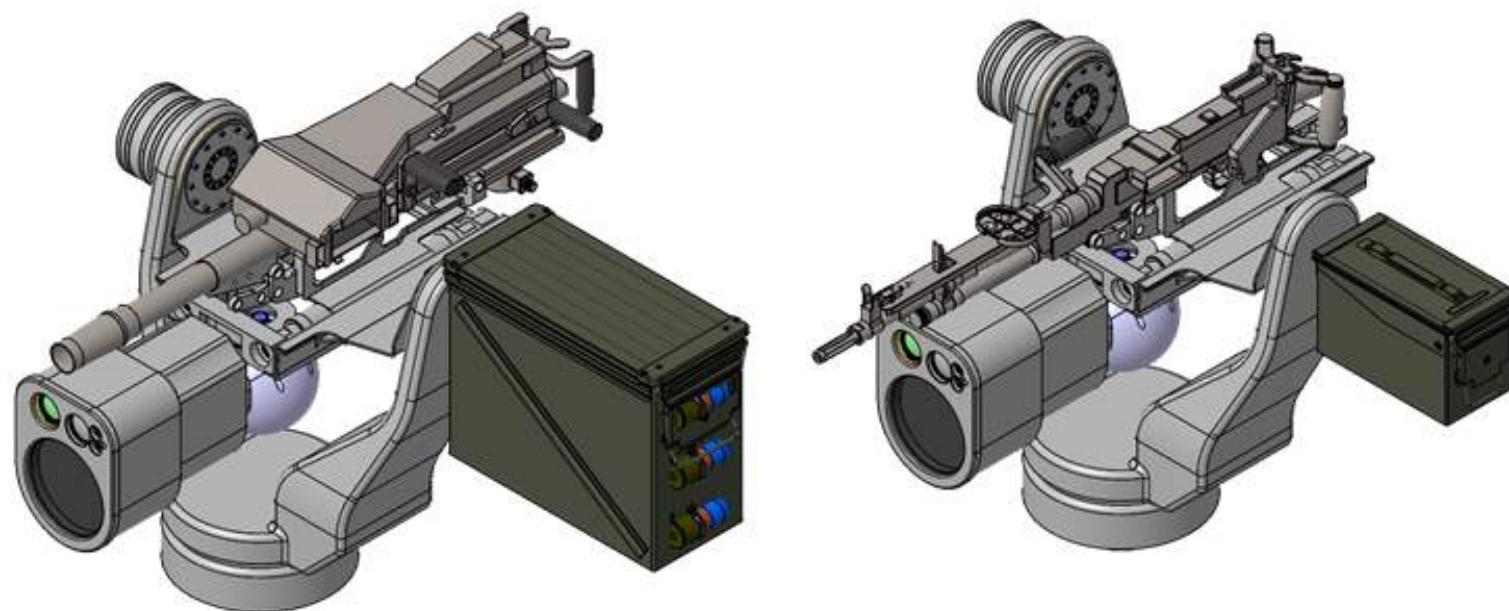


Export abroad



HRCWS for 20mm, 30mm





Mobile Robots

2007~2015



UROBO





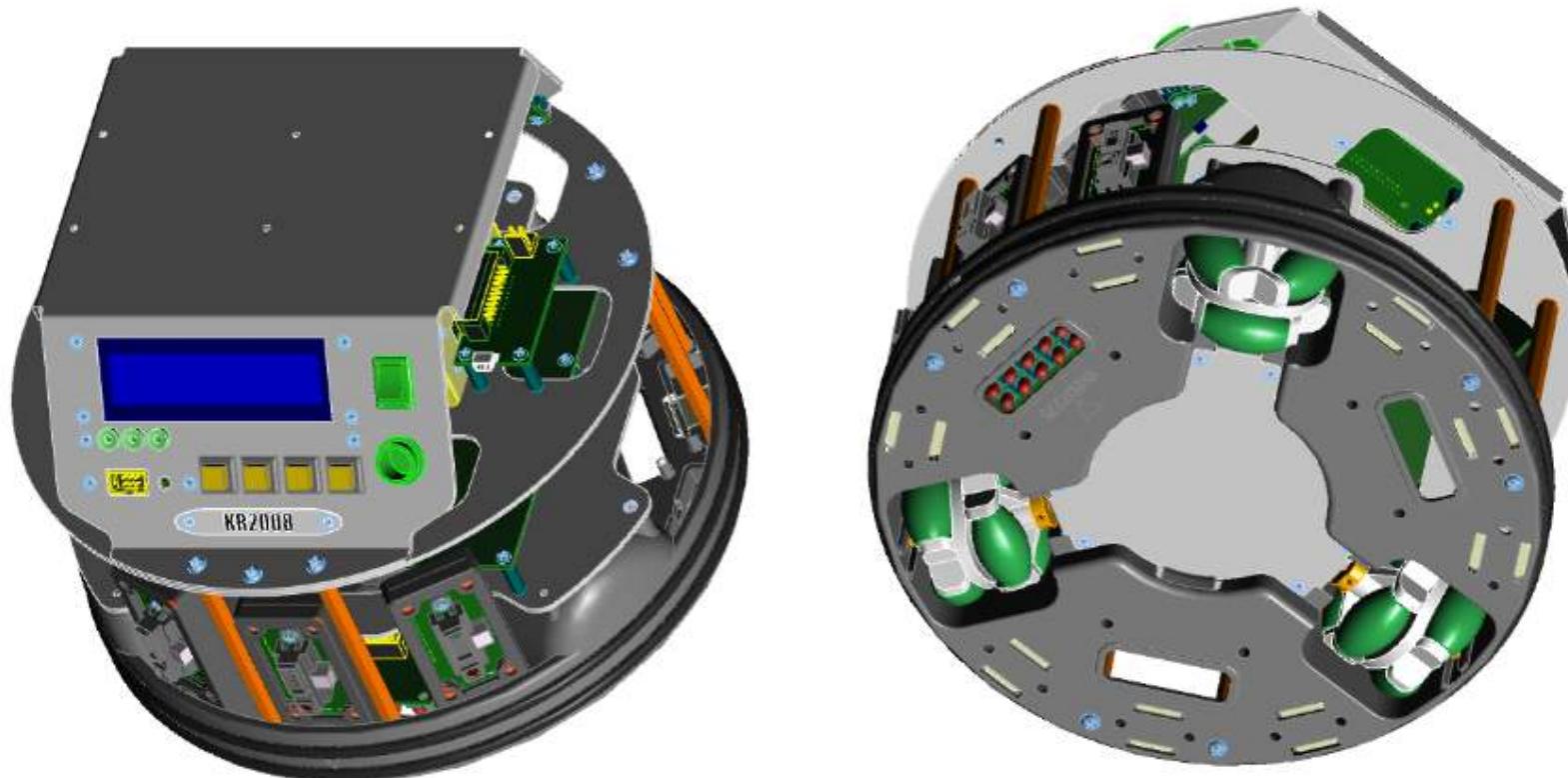
THIN

[Youtube]



HOLOMOMIC

[Youtube]



SILVER



SILVER in exhibition

kibot2 레이싱 대회

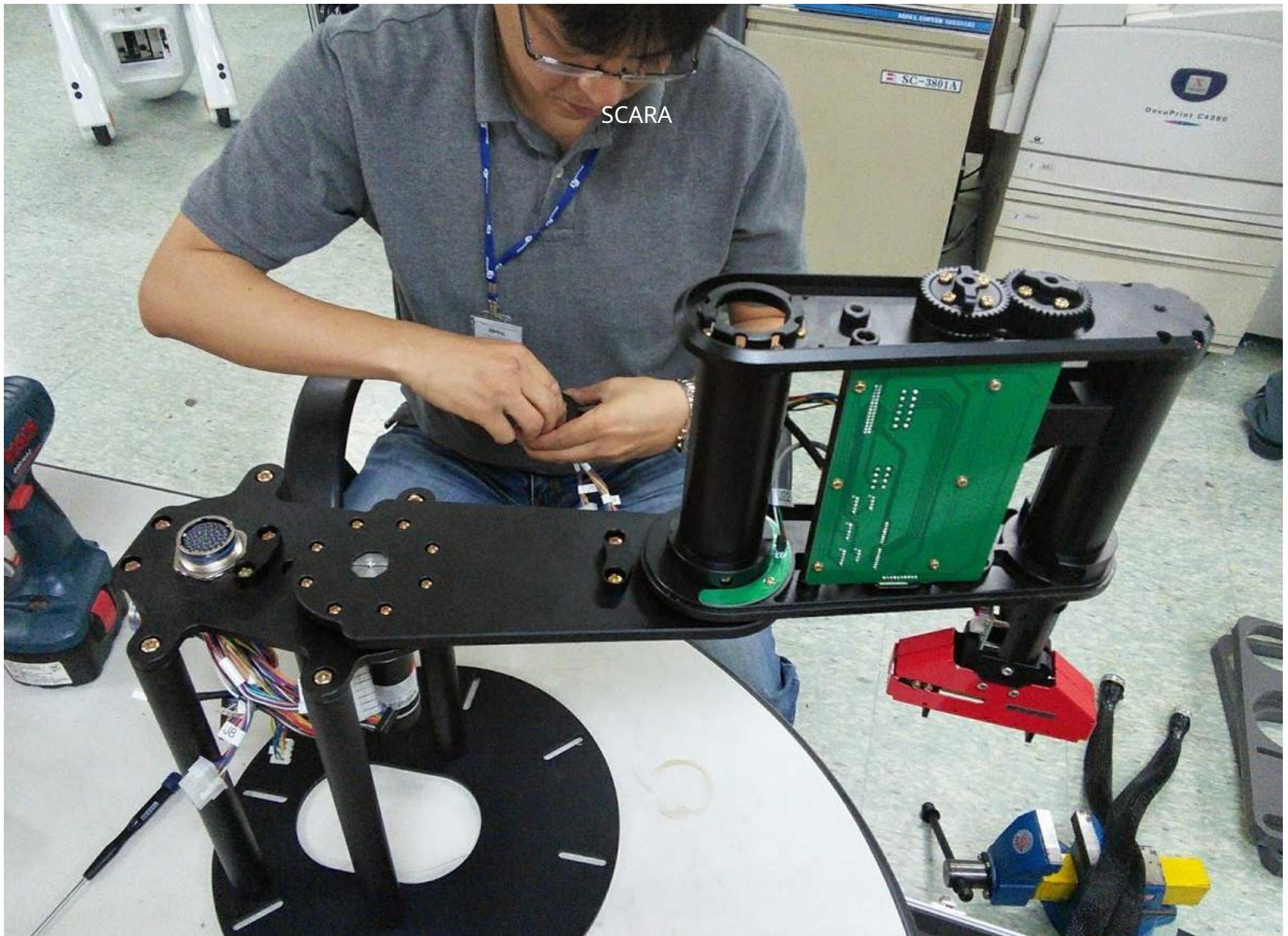


Arm Robots

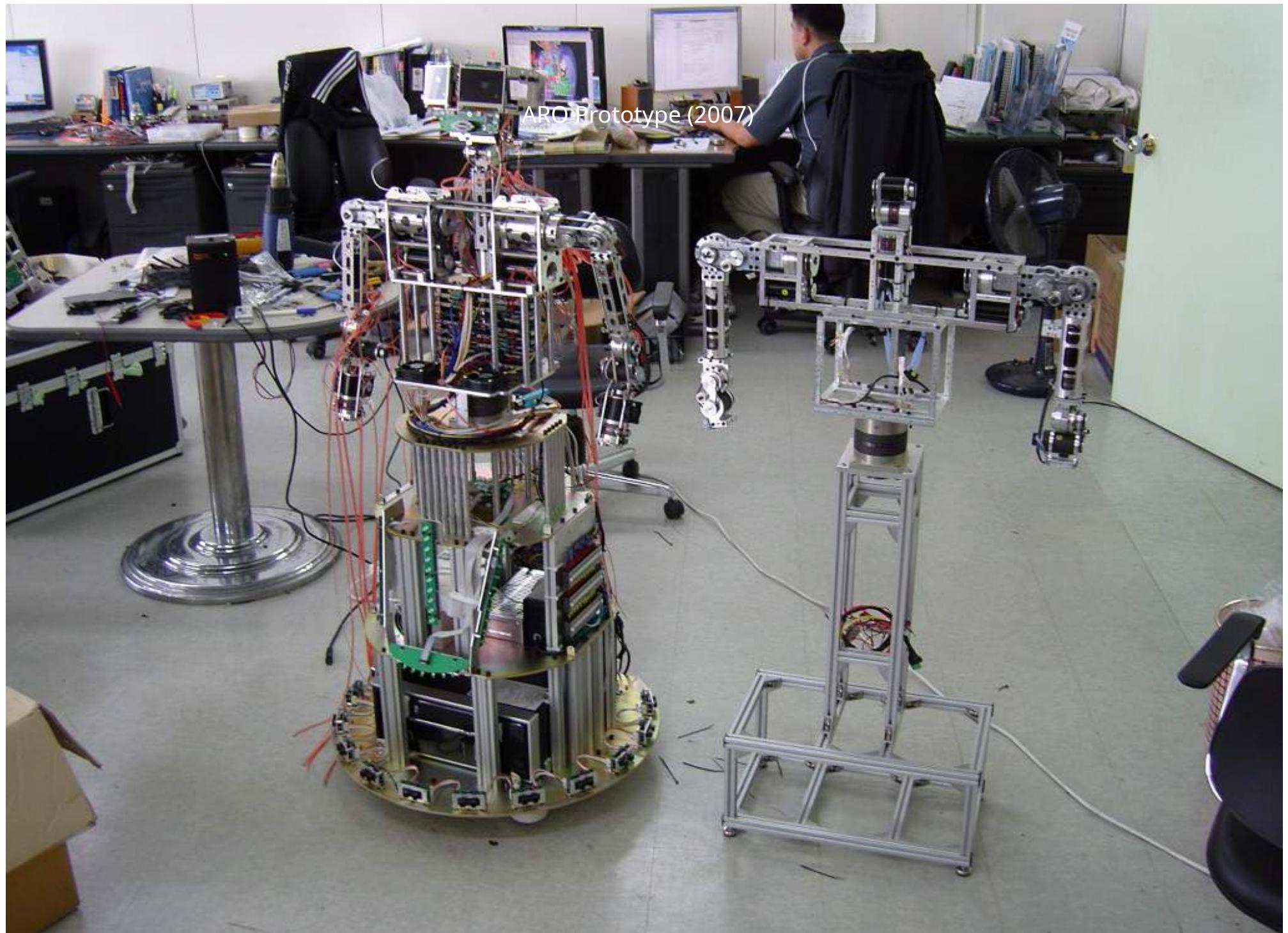
2007~2015



SCARA



ARO Prototype (2007)





ARO2 (2009)

[Youtube]





ELISA (2013~2014)

[Youtube]



Dynamics

시간: 0.30

ARTIC Dynamics

[Youtube]



FST for EOD Prototype



K201 Prototype



K201 Motion controller

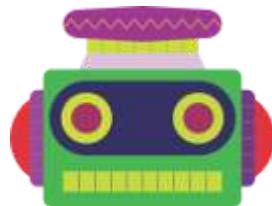


K201

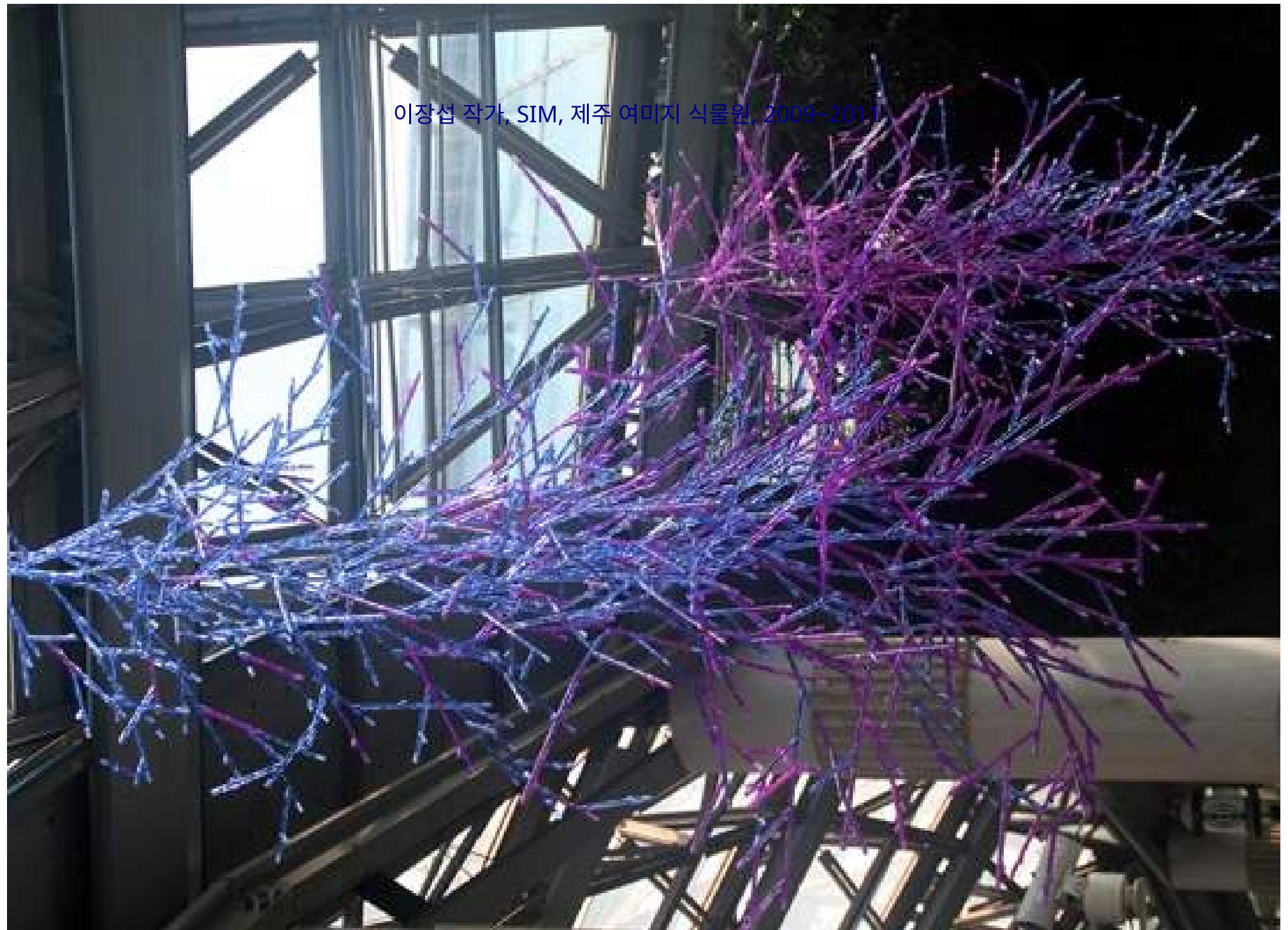
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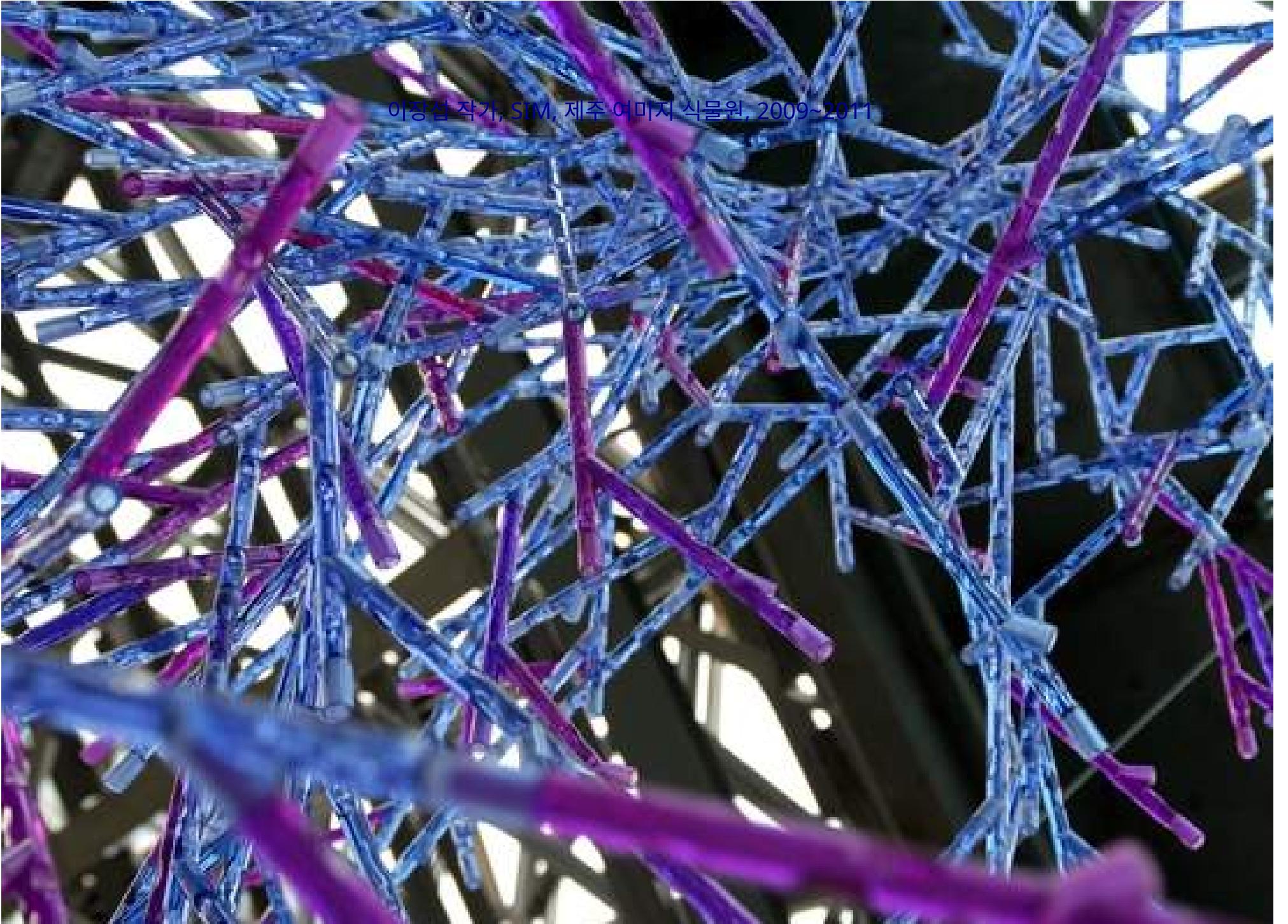


Kinetic Art



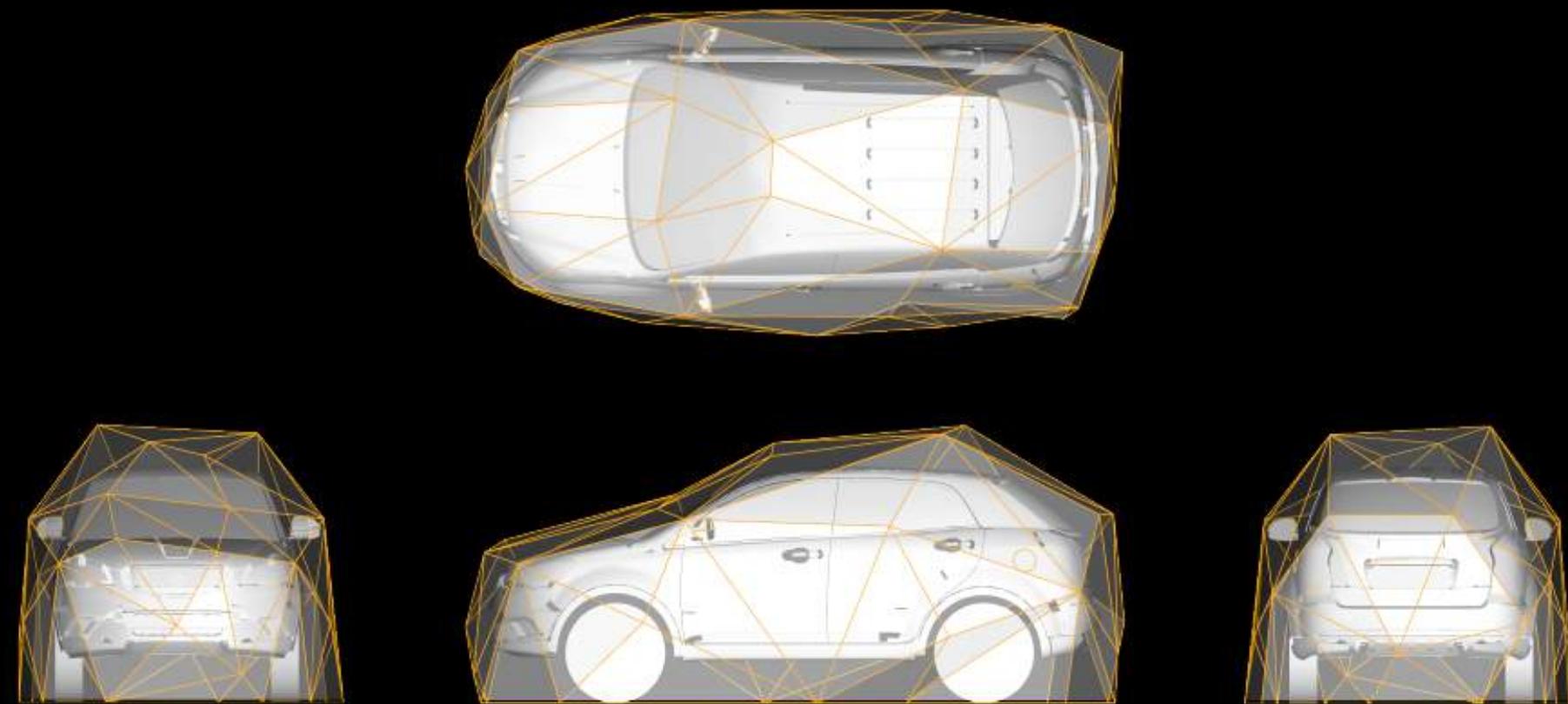
이장섭 작가, SIM, 제주 여미지 식물원, 2009~2011





아장섬 작가, SIM, 제주 여미지 식물원, 2009~2011

C200 : 쌍용자동차 신차 디스플레이 계획



신사동 W Concept 디스플레이



신사동 W Concept 디스플레이

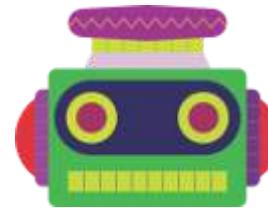


신사동 W Concept 디스플레이

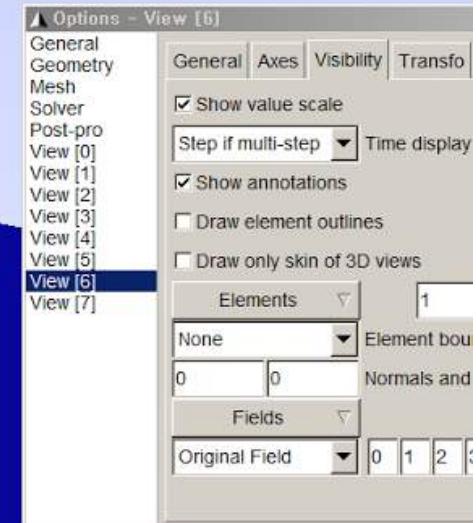
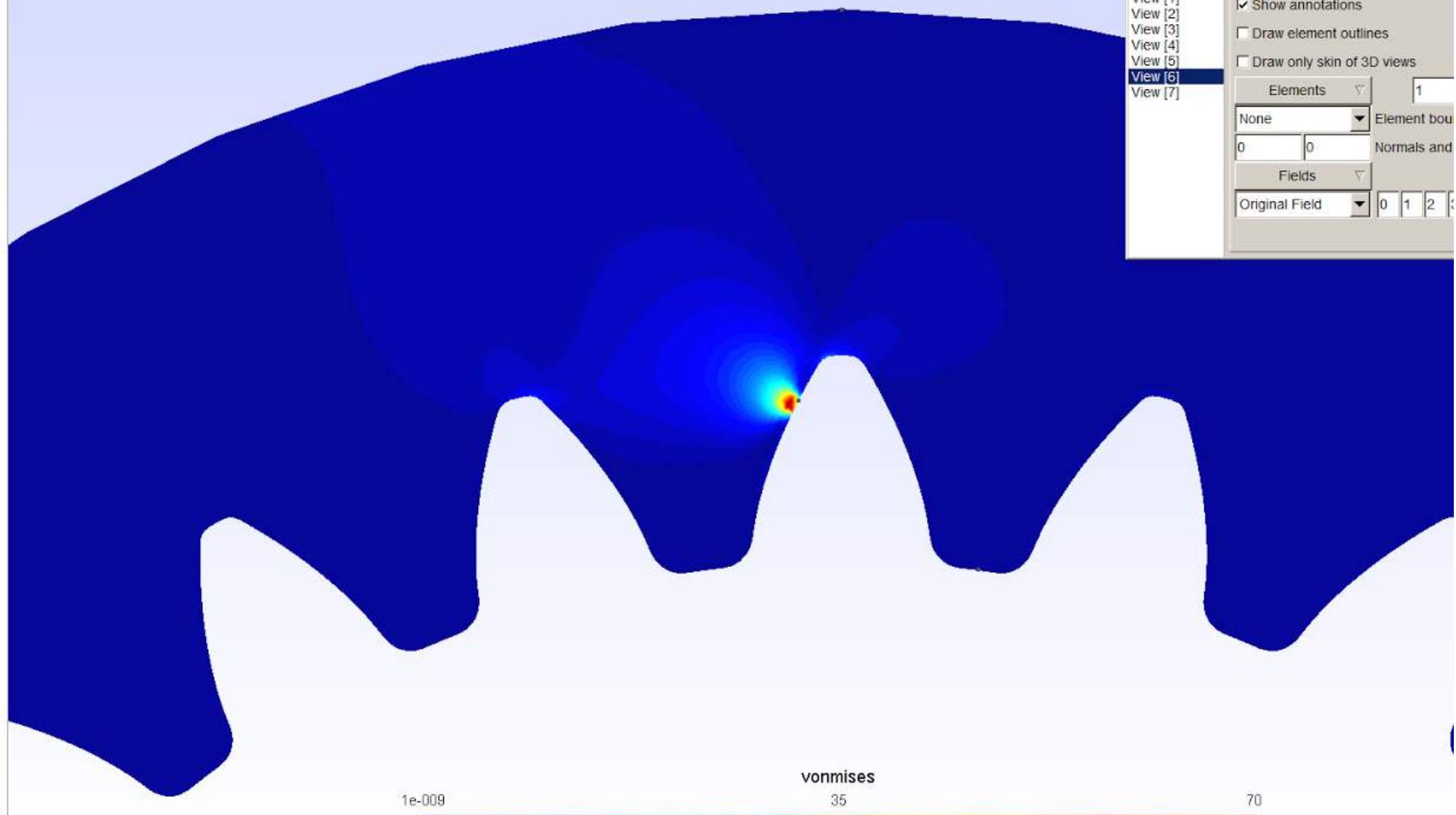


Numerical Design and Analysis

based on OpenSource Solutions



Fine Gear Profile Generation and Analysis (Julia Lang)



Done reading 'case_output.msh'



Gear Profile Generator v0.8

involute Curve

EA

let Curve

EA

(M)

'0

ear (a)

'0

mm

ear (b)

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Gear's Root

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Phi)

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Deg

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EA

parameter

Input MethodDirect

File

Load Input file

Generate

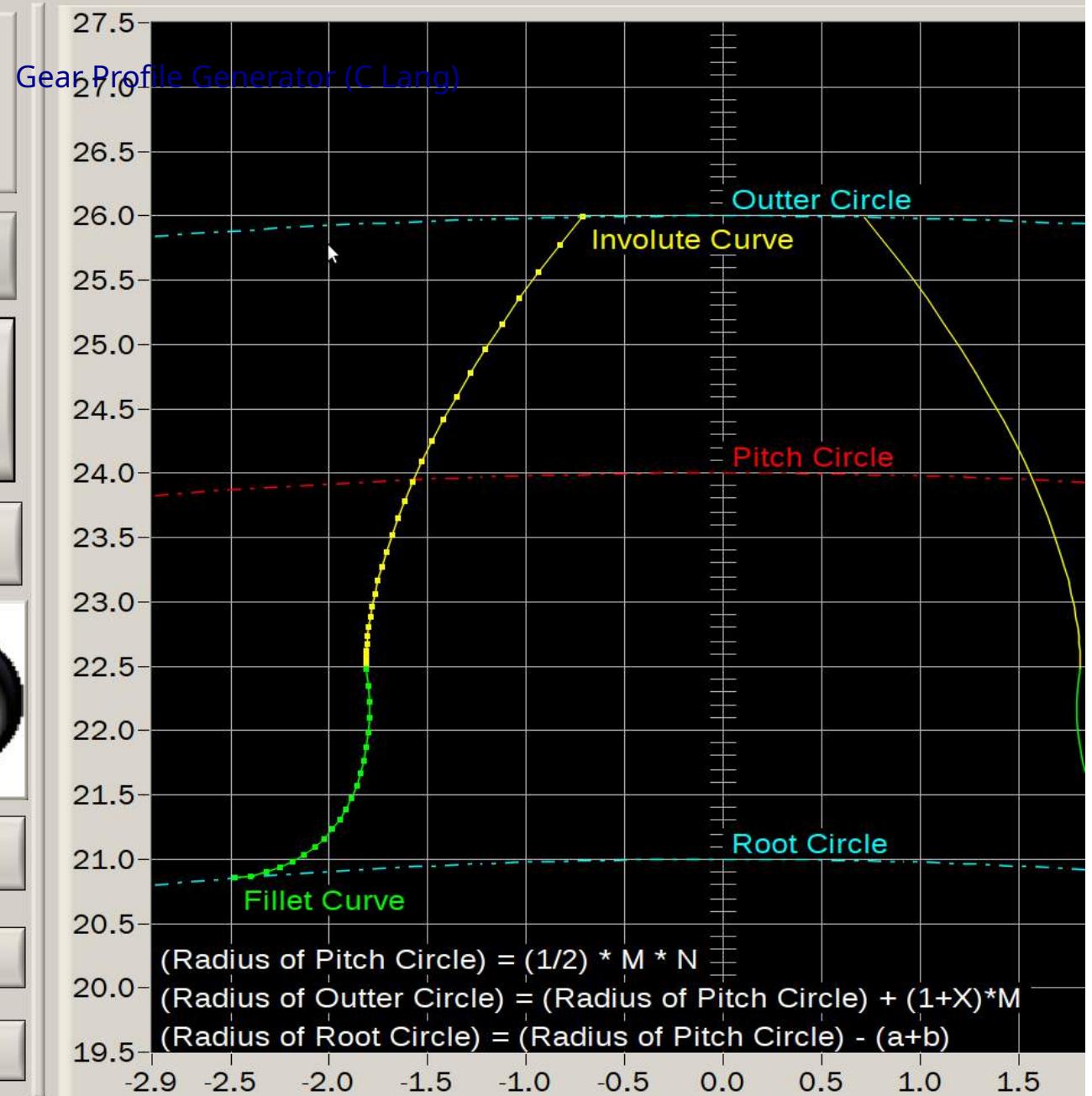
Save Profile



Help

About ...

Quit



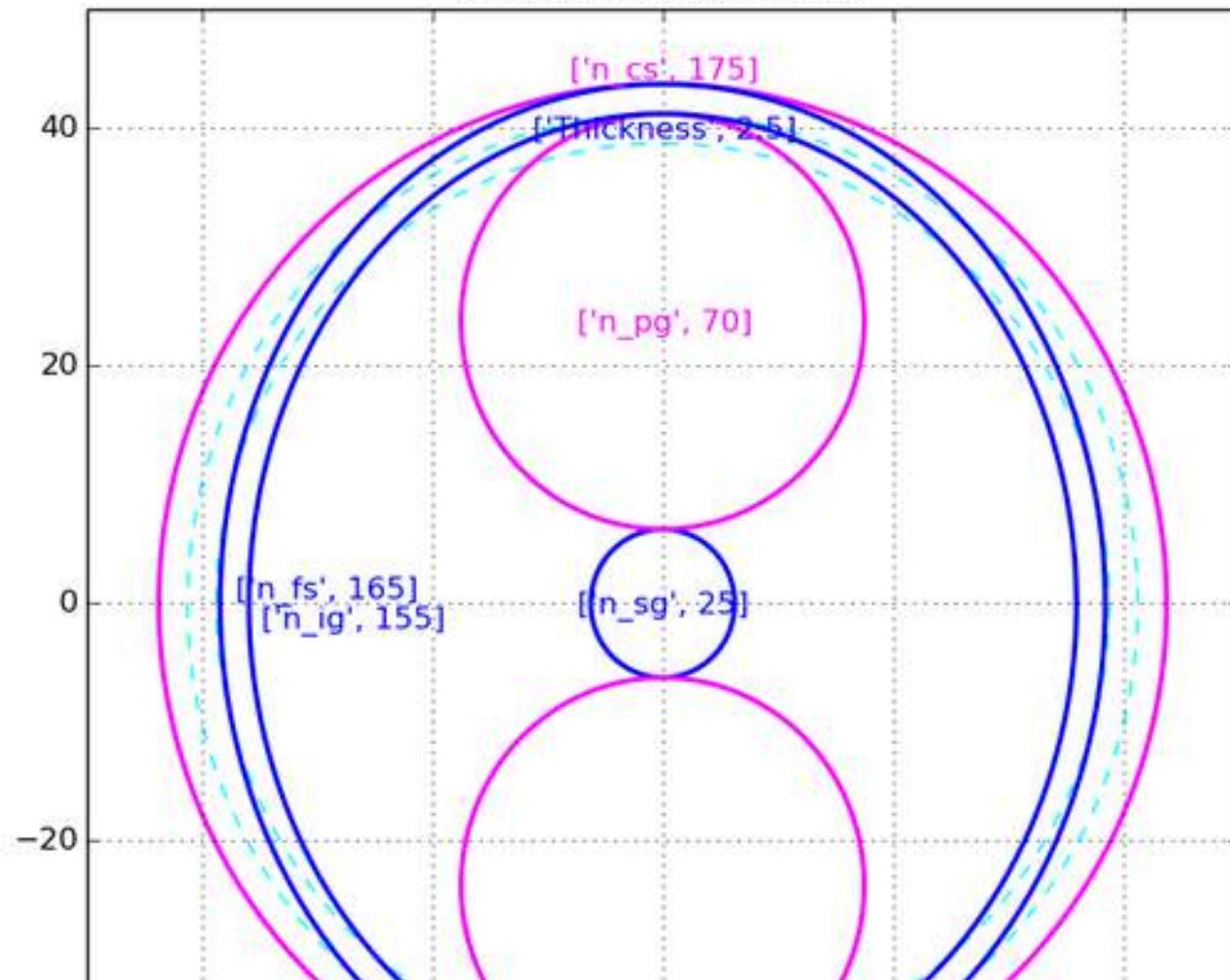
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dn_ig 10
dn_sg 130

COMBI : Harmonic Drive Designer (Julia Lang)

INFO: Loading help data...

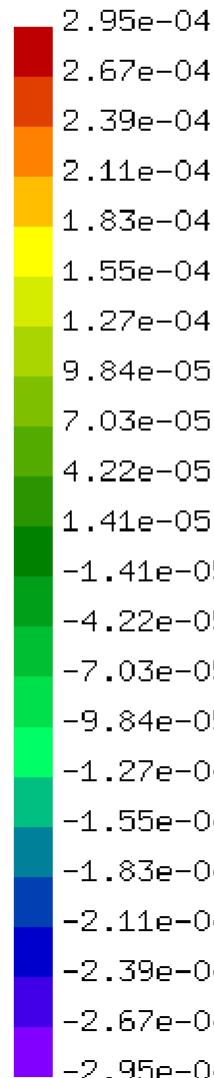
Out[1]:

COMBI REDUCER v05



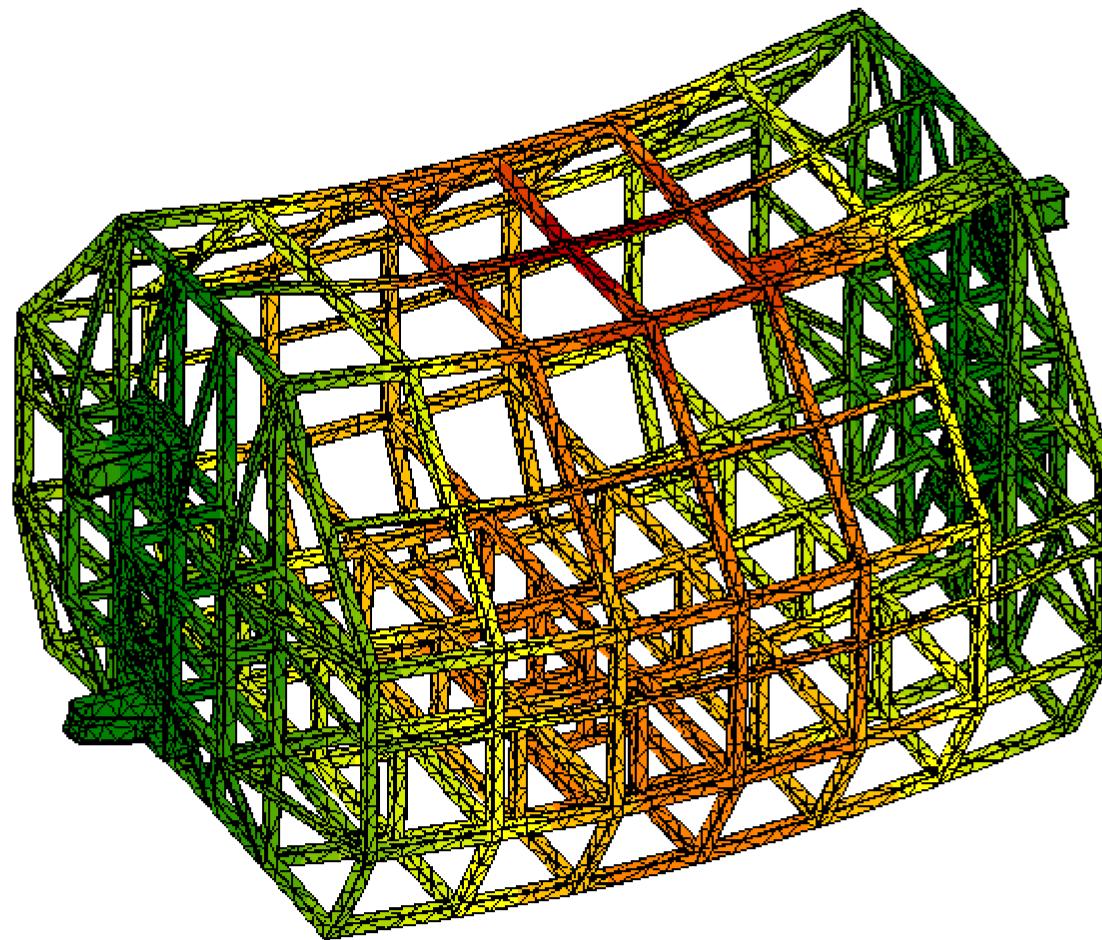
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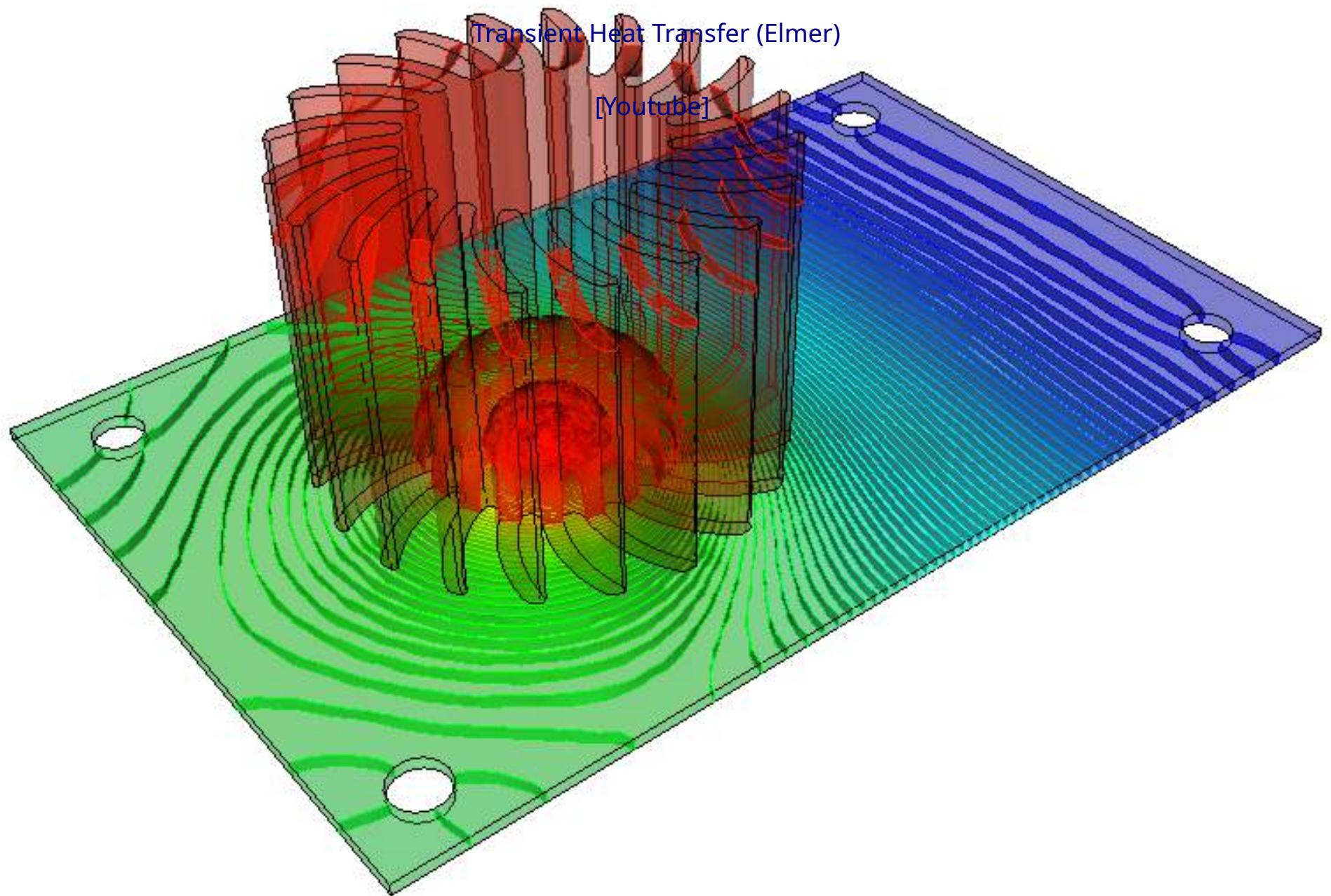
93%Amplitude

Frame FEA (CalculiX)



s

/home/dong/Documents/Analysis/20160727_P141_CalculiX_Static_Scaling/_main.frd



Acoustic 03

Eigenvalue Acoustic (Elmer)

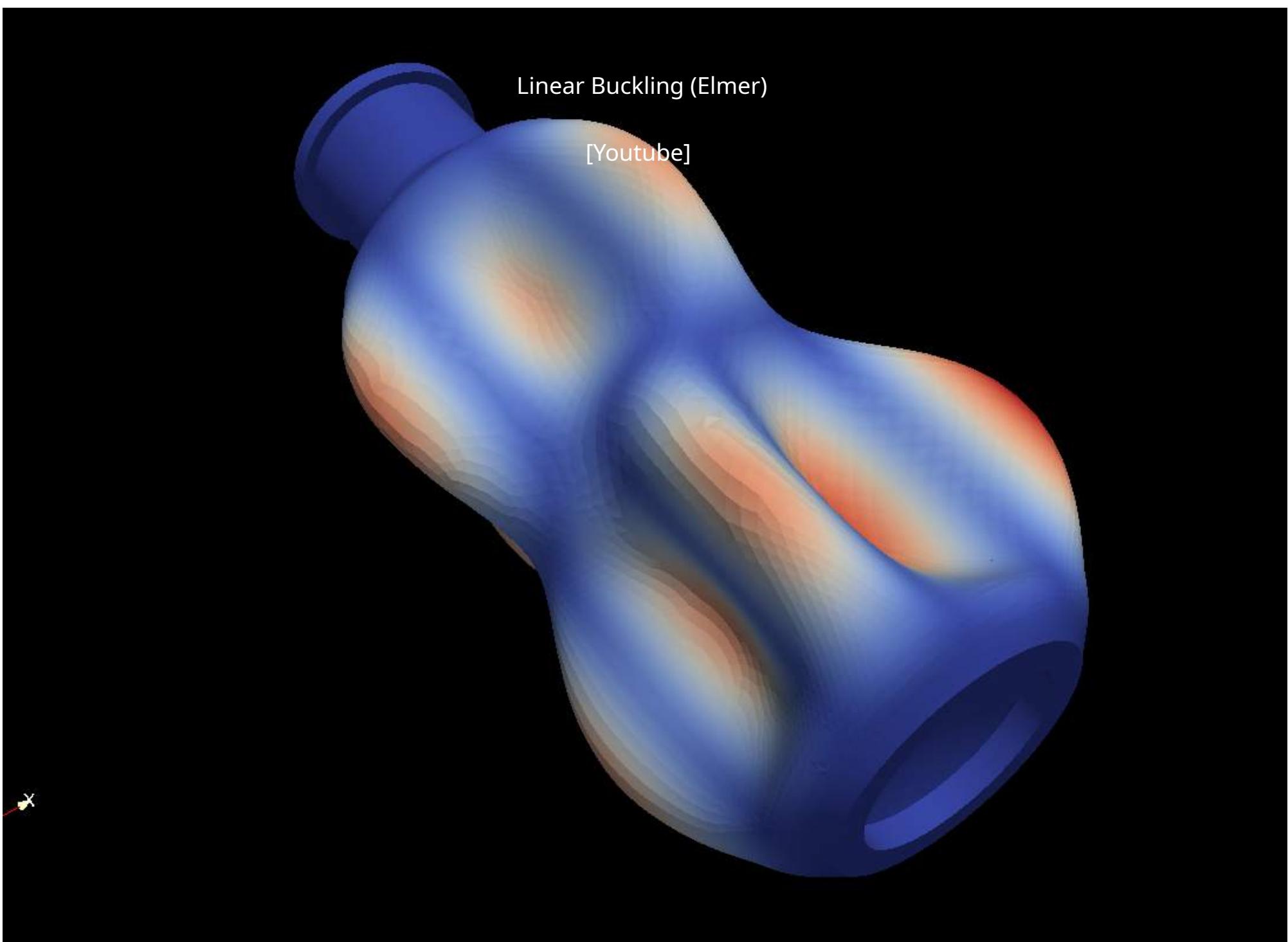
[Youtube]

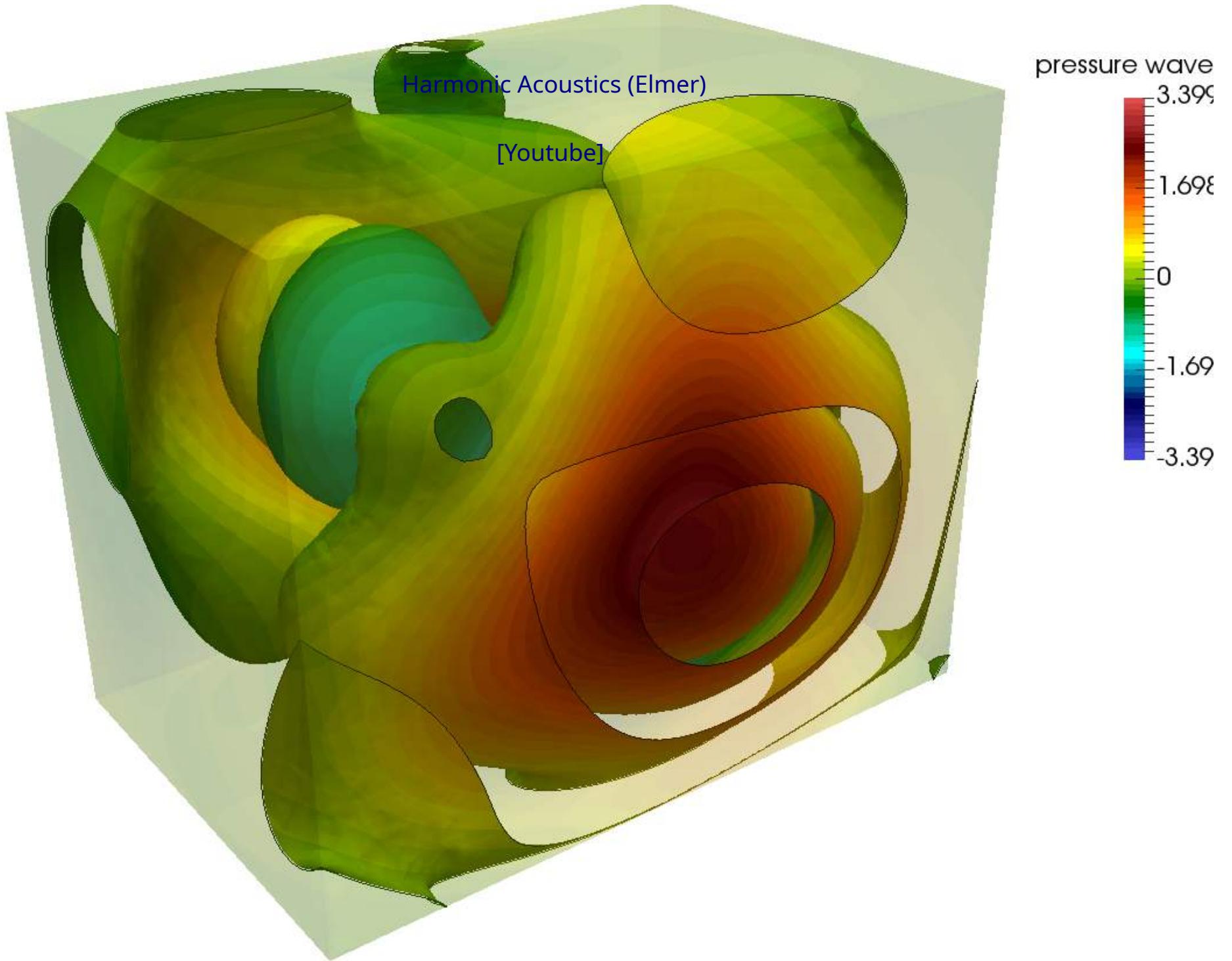
Y
Z

03 / 0:15

Linear Buckling (Elmer)

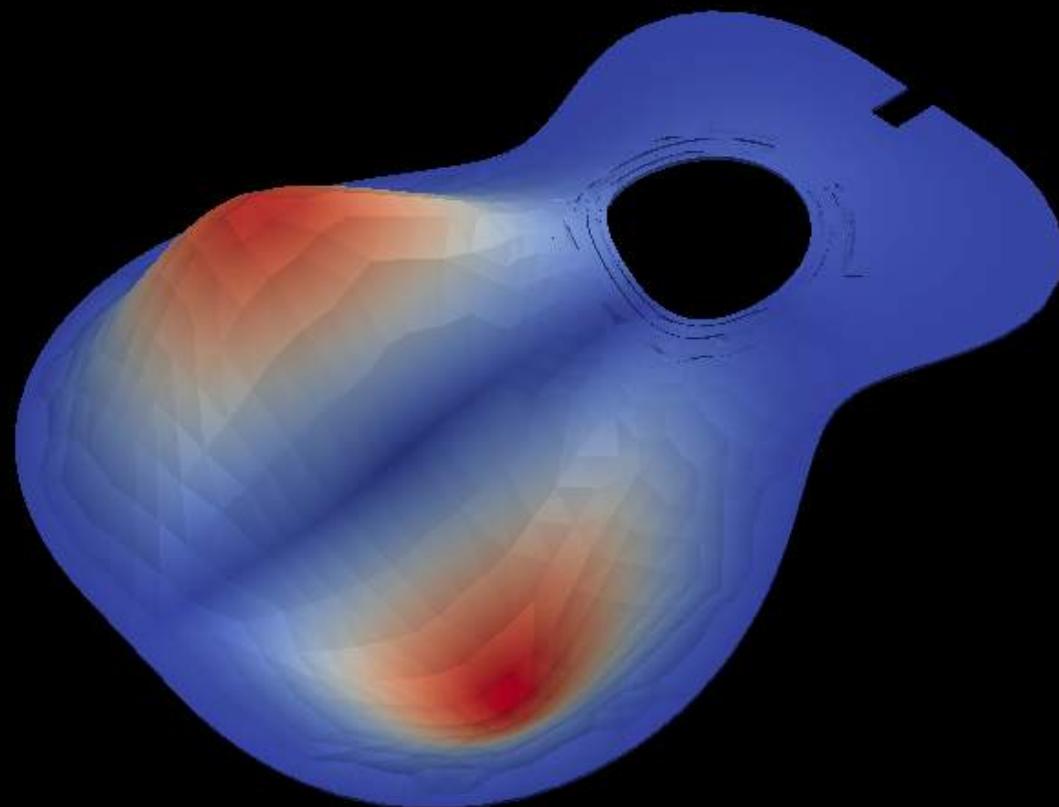
[Youtube]





Eigenmodes (Elmer)

[Youtube]



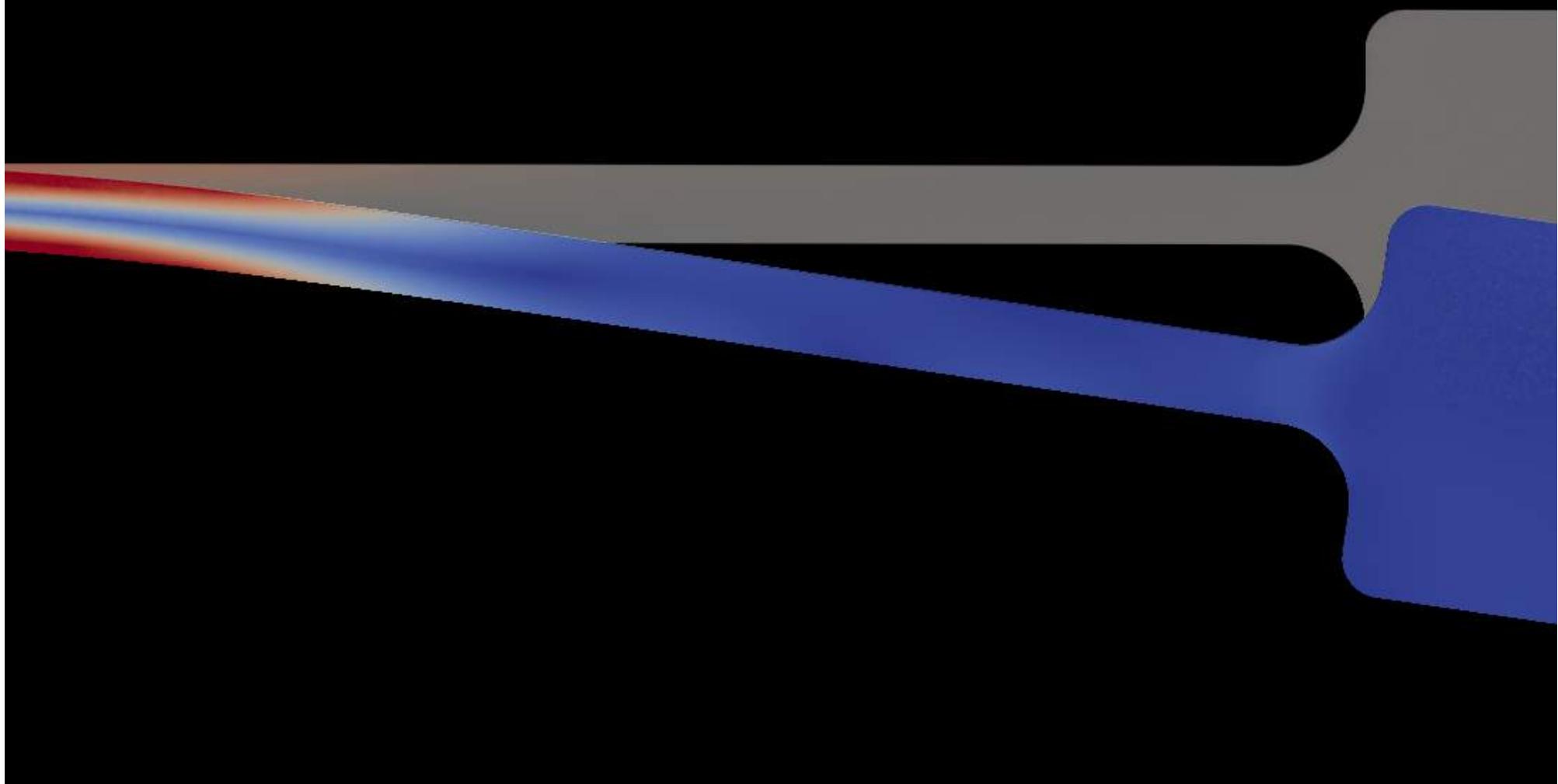
Contact (Elmer)

[Youtube]



Transient Dynamic Elasticity (Elmer)

[Youtube]



Natural Convection (Elmer)

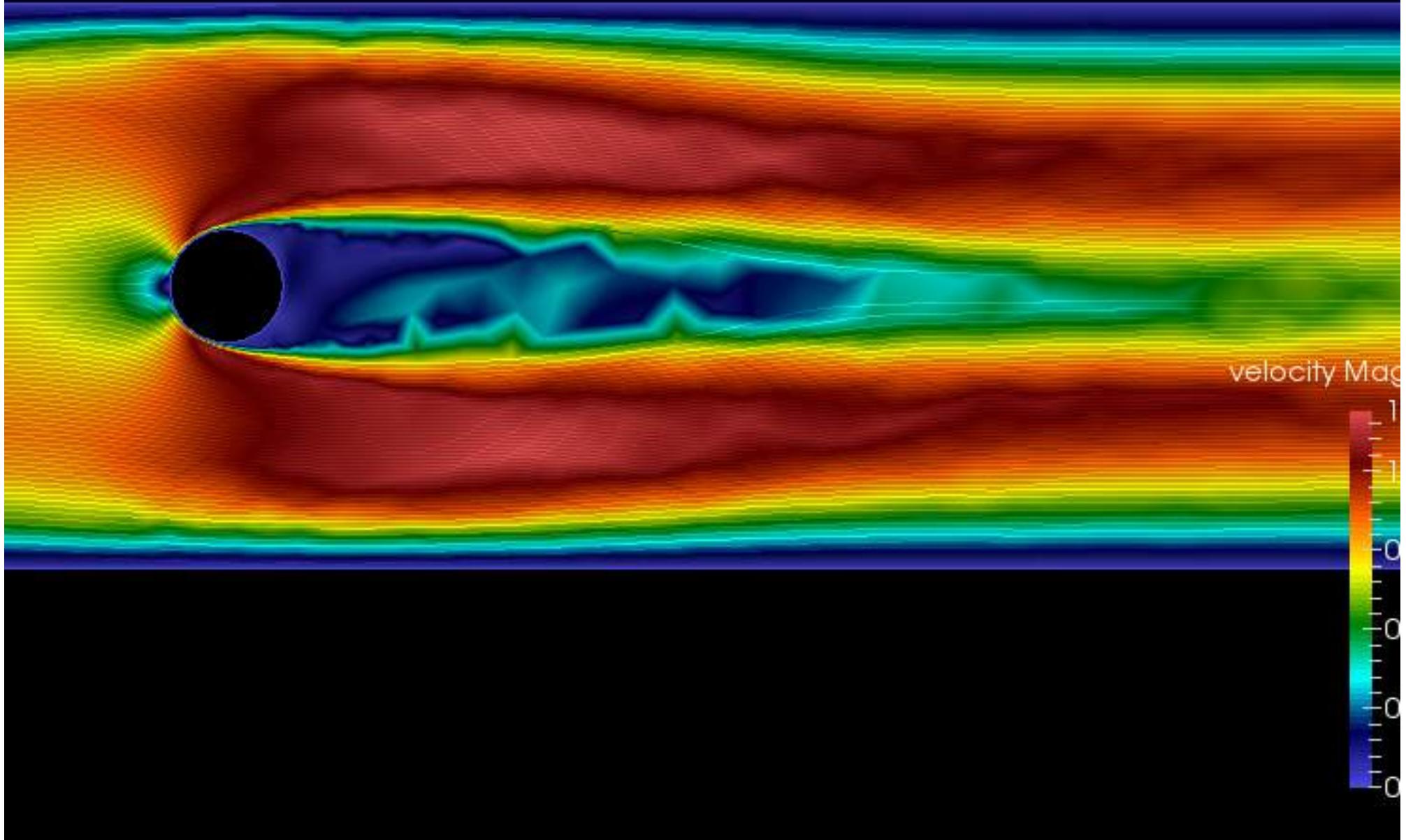
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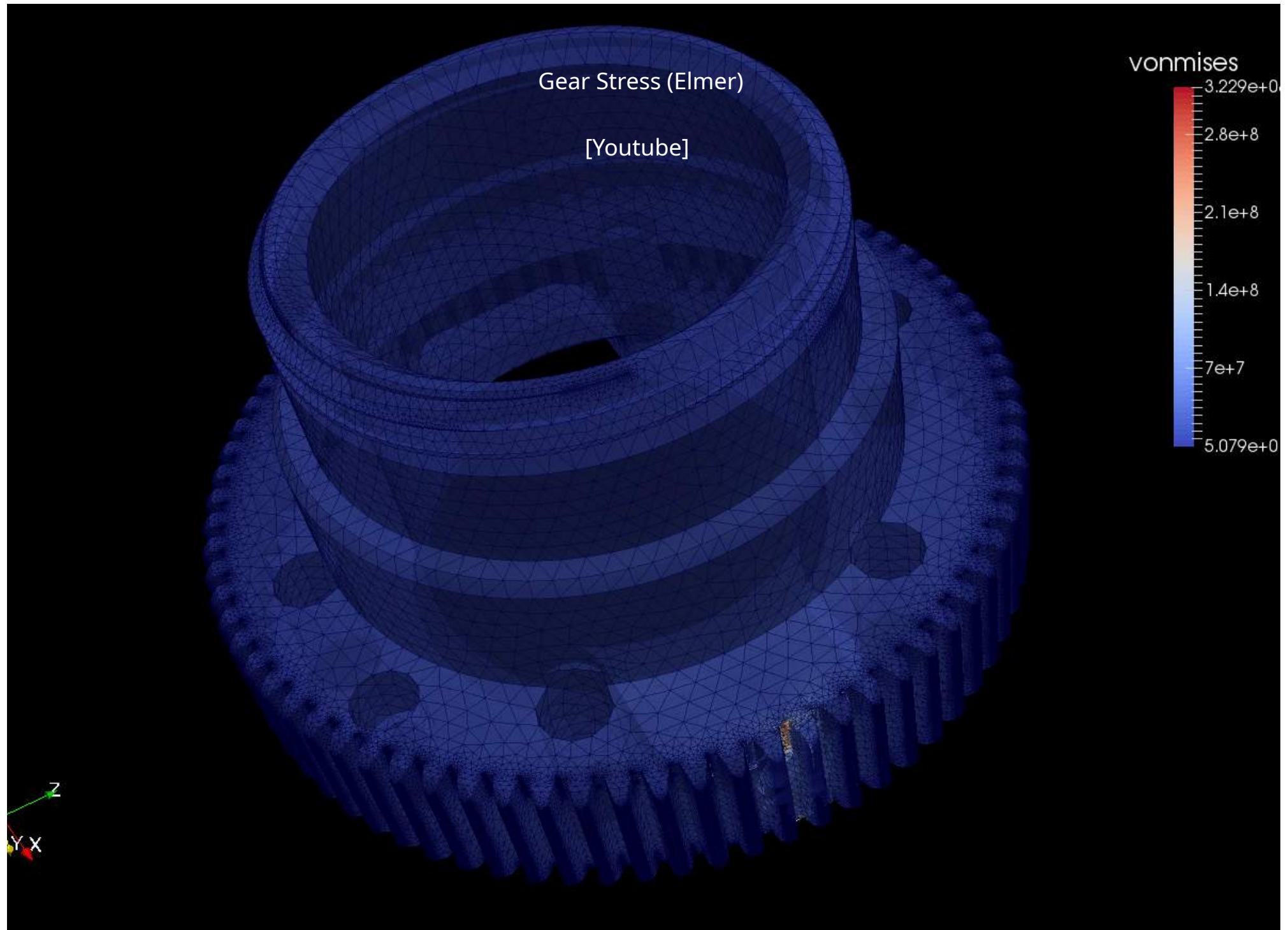
temperature



Karman Vortex (Elmer)

[Youtube]

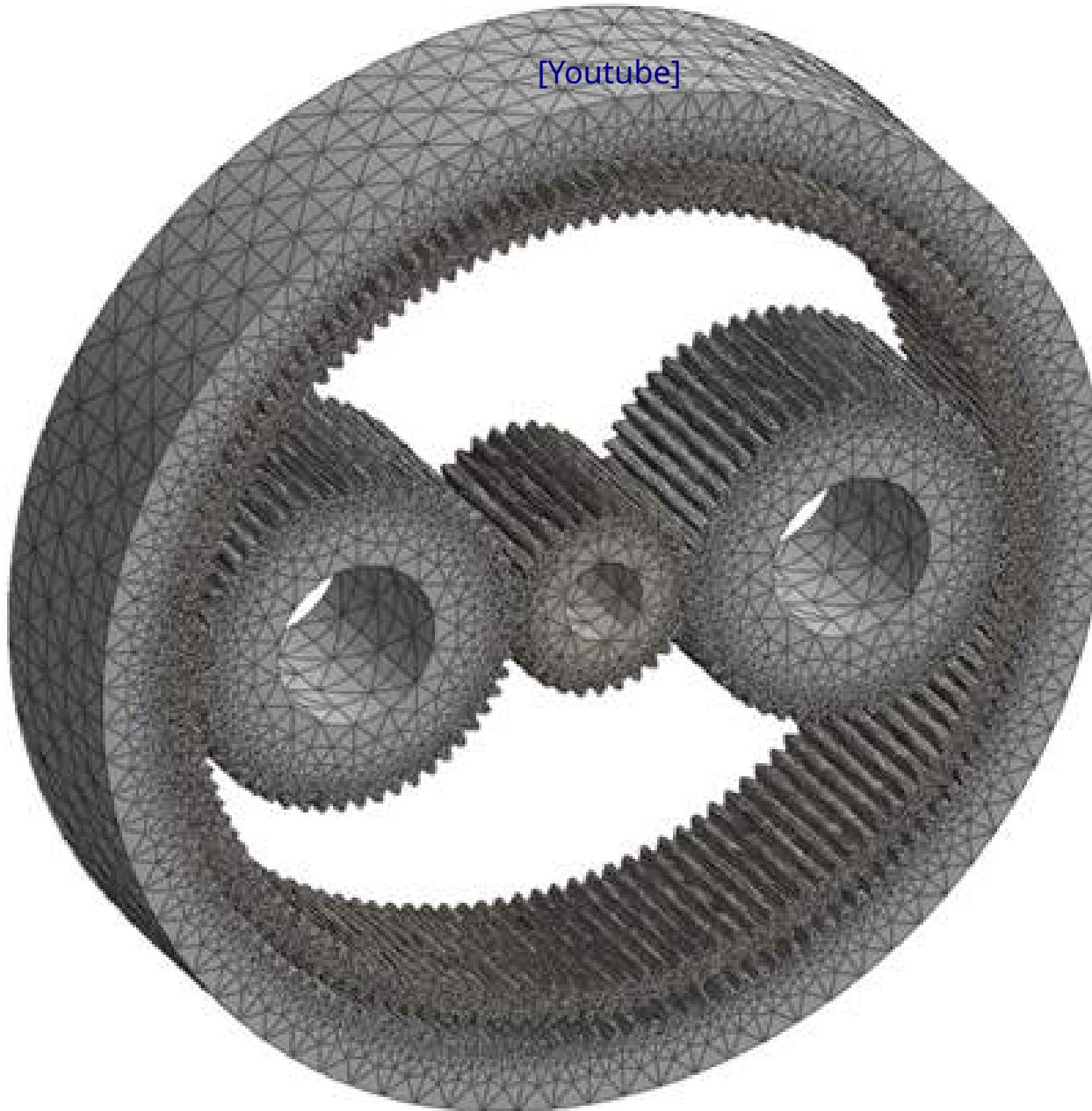






Harmonic Drive Gear Stress (MidasNFX)

[Youtube]



fin

Take this technical superiority!

dymaxion.kim@gmail.com / dymaxionkim.github.io

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