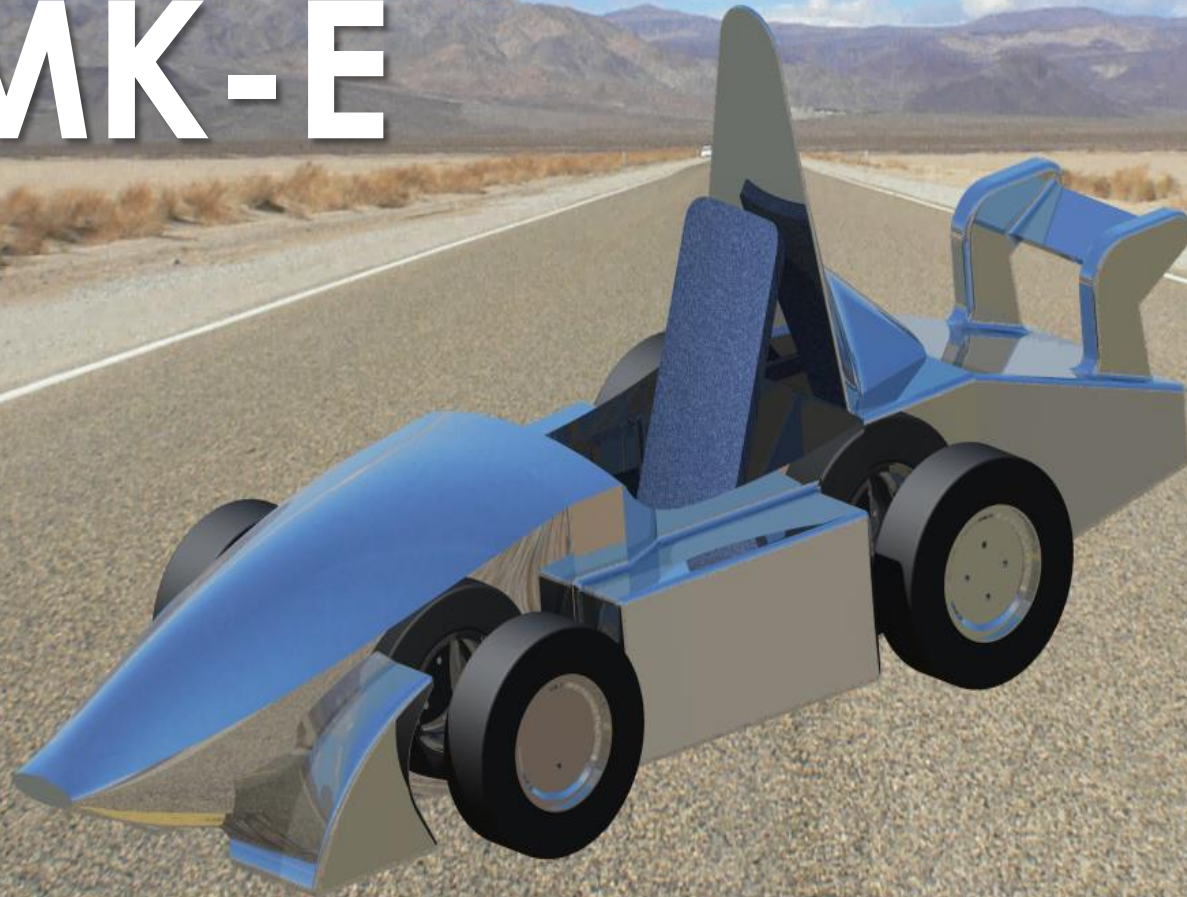


YMK-E




2012012082 김민재

2012012275 윤병걸

2013020347 김서연

CONTENTS

- ▶ **INTRODUCTION**
 - ▶ **PART DESIGN & PRODUCT DESIGN**
 - ▶ **ASSEMBLE**
 - ▶ **KINEMATIC**
 - ▶ **QnA**
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted upwards from left to right, located in the bottom right corner of the slide.

INTRODUCTION

▶ 팀명 'YMK-E' 선정 이유

- **Y**un Byunggul + Kim **M**injae + **K**im Seoyeon

+**Formula E**

- Why **MongKoo**?



▶ 주제

- Electric Car (Formula E)

▶ 선정이유



PART

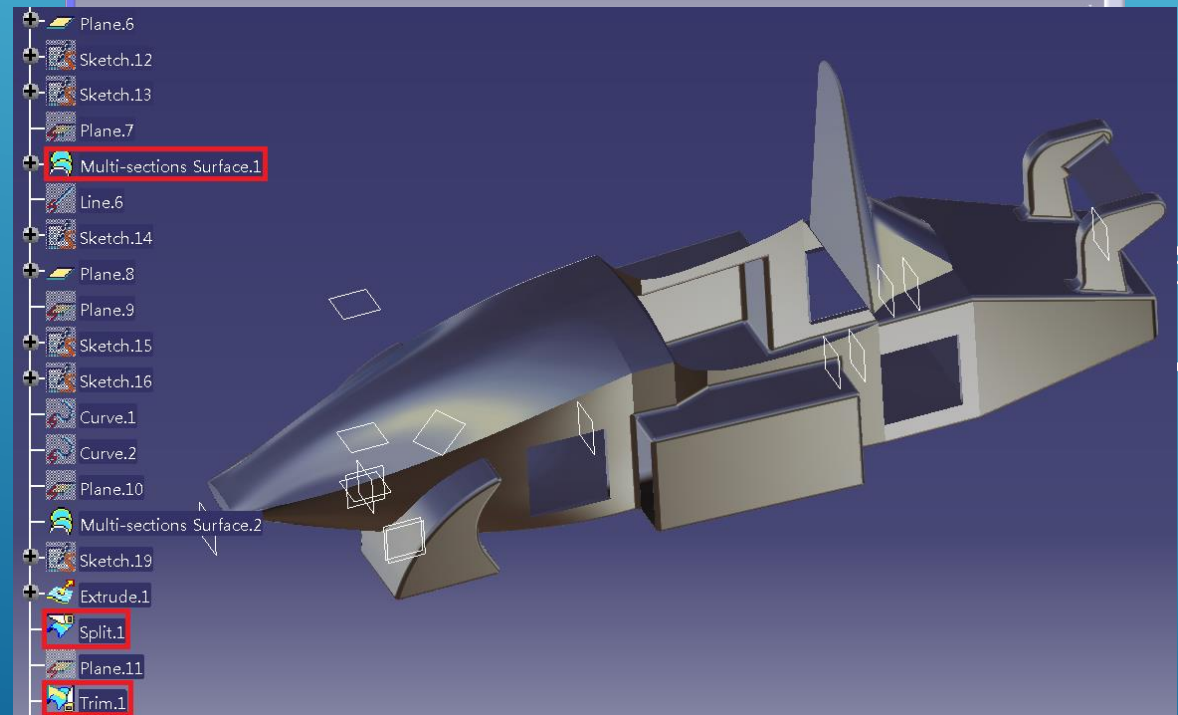
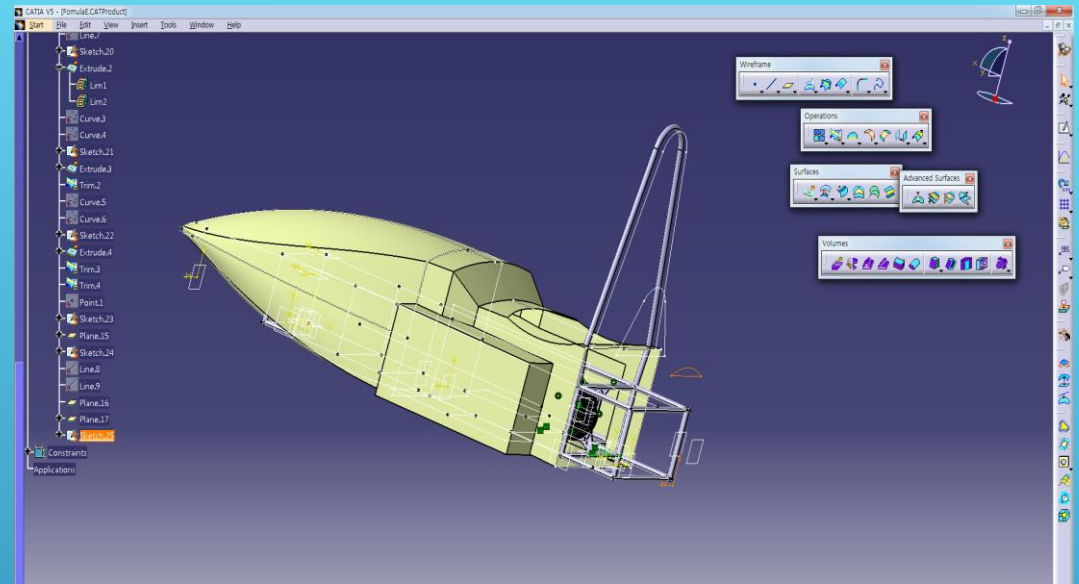
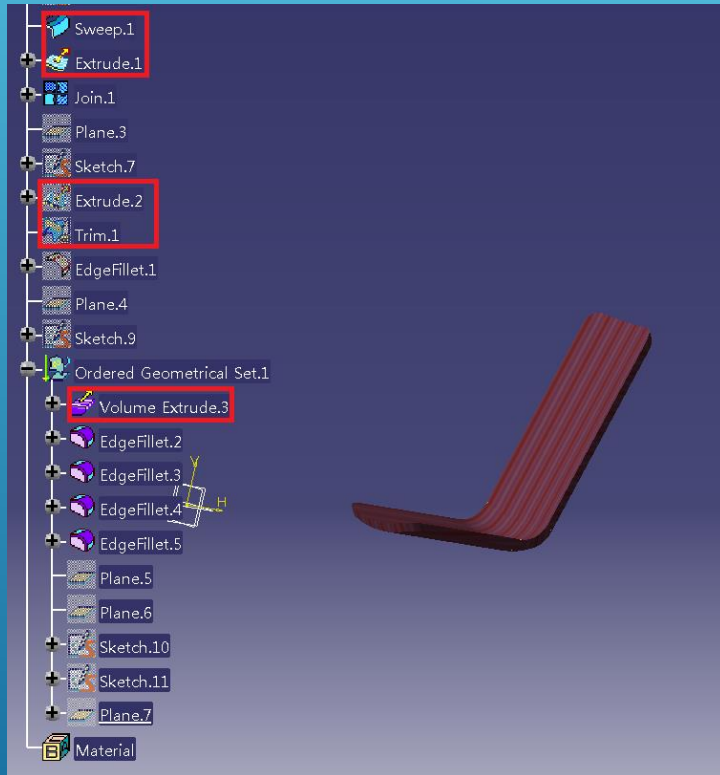
FIXED

- Cowl & Chair
- Wheel & Spindle
- Frame
- Brackets & Bolt

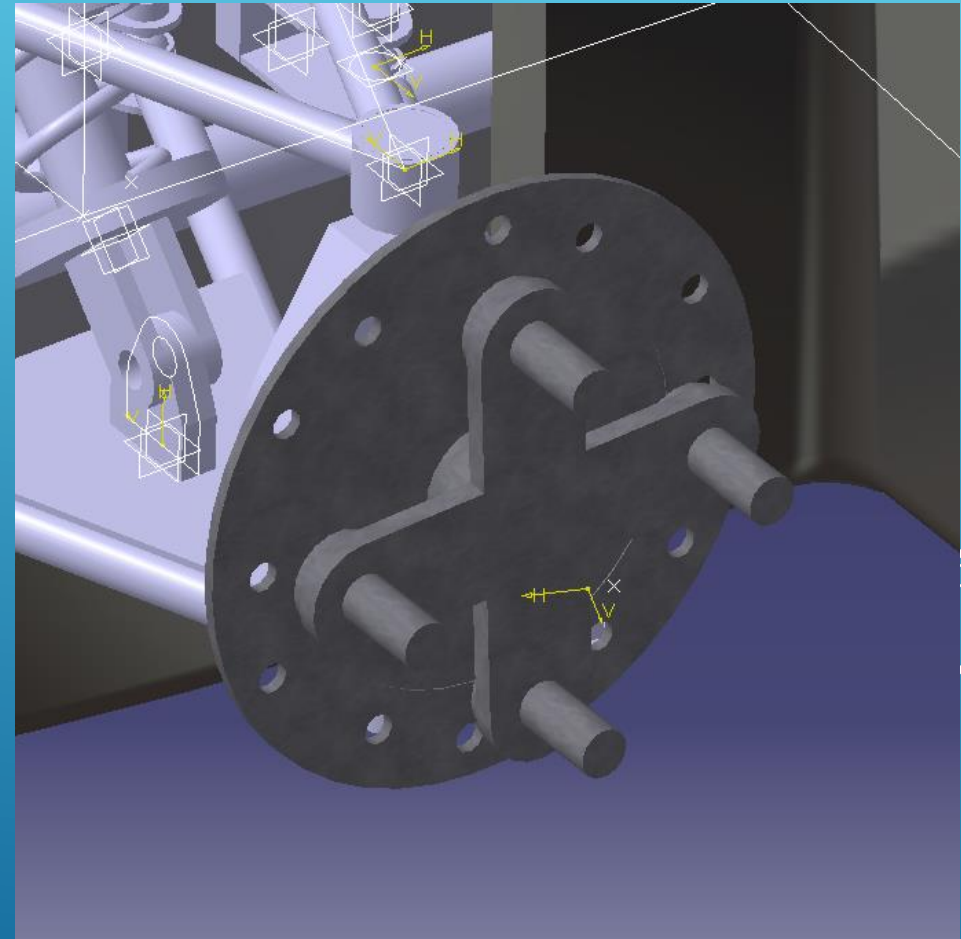
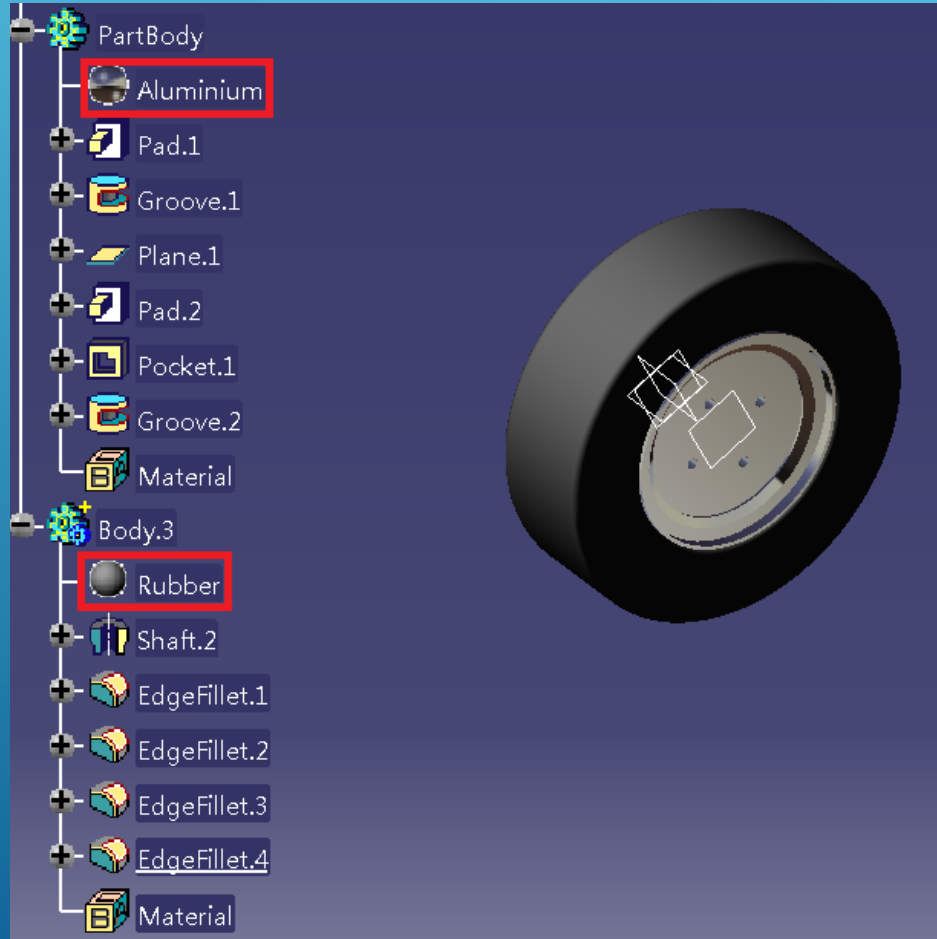
MOVING

- Motor
- Knuckle & Arm
- Suspension
- Steering

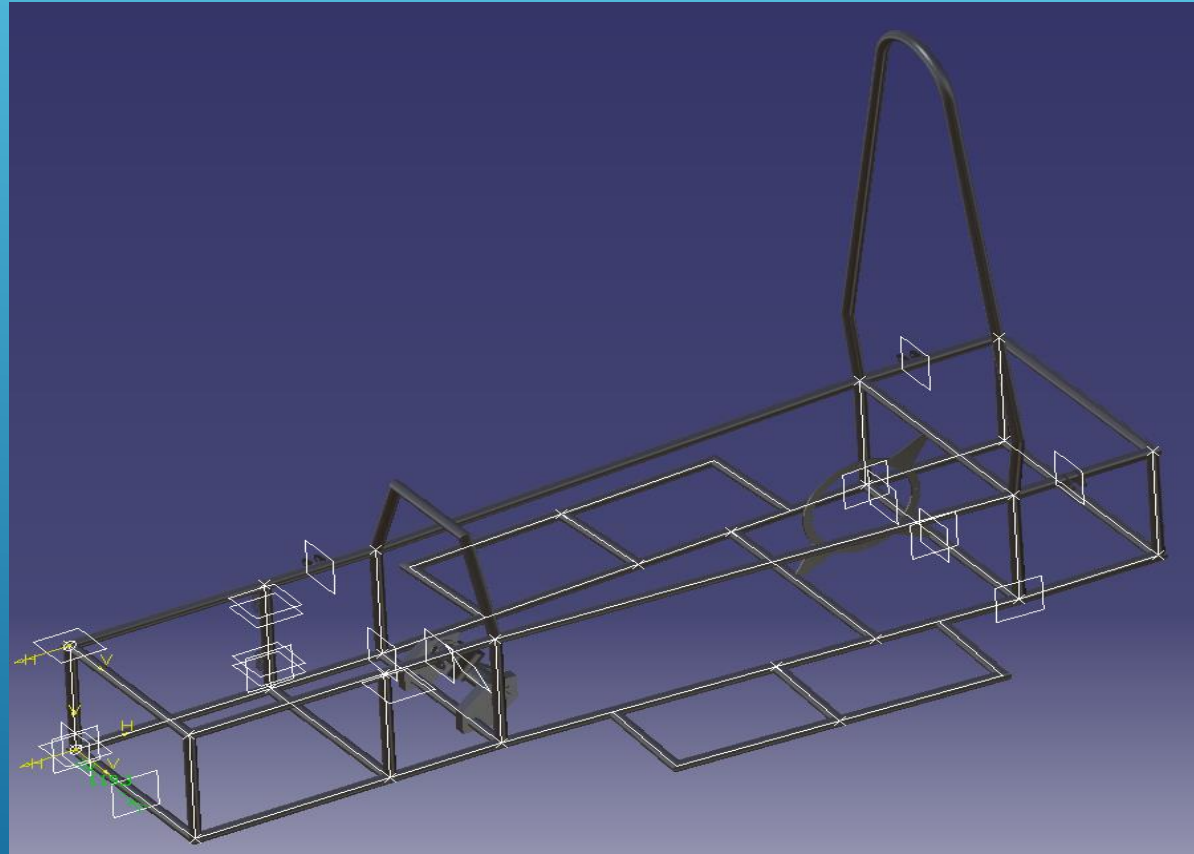
COWL & CHAIR



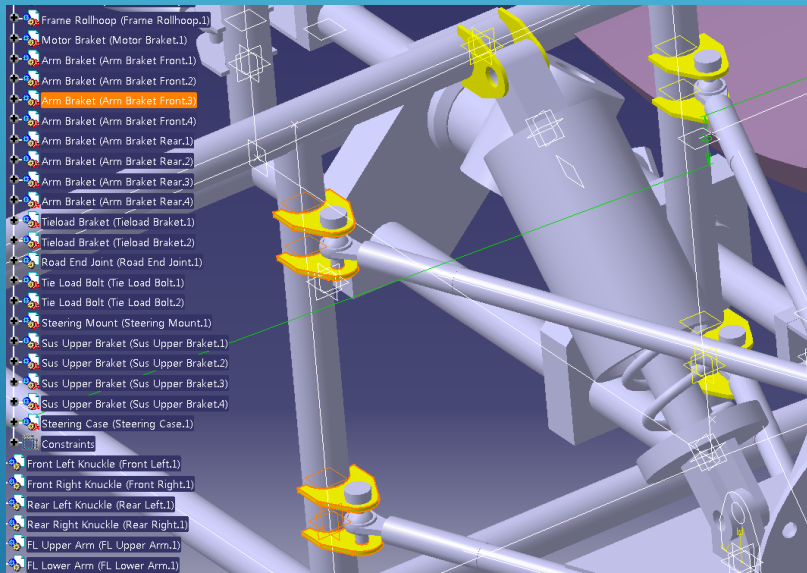
WHEEL & SPINDLE



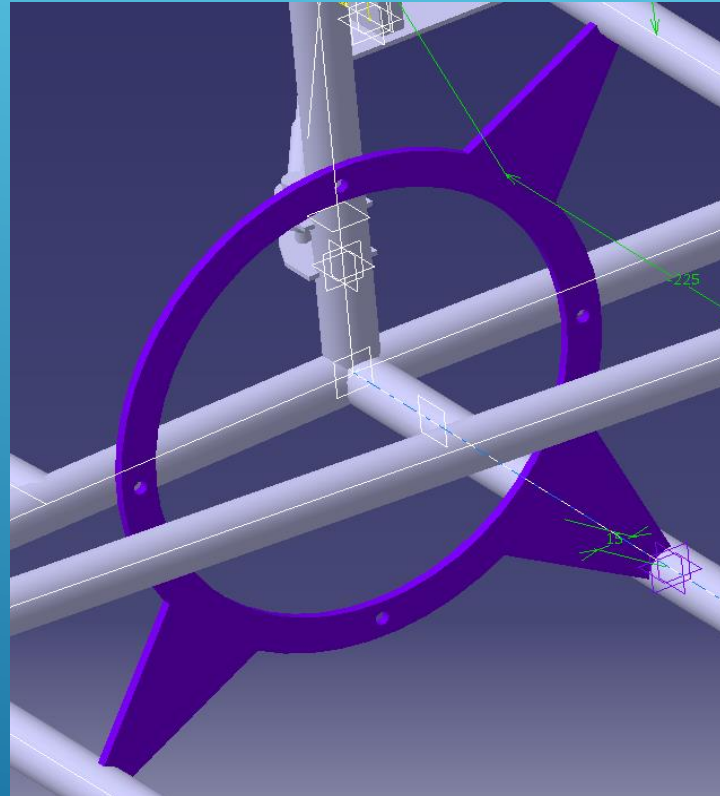
FRAME



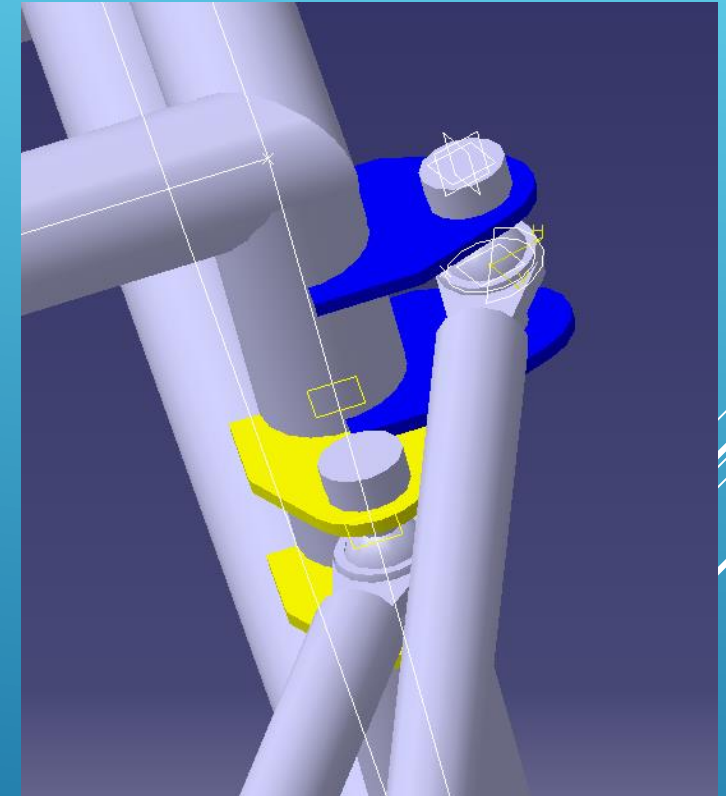
BRACKETS & BOLT



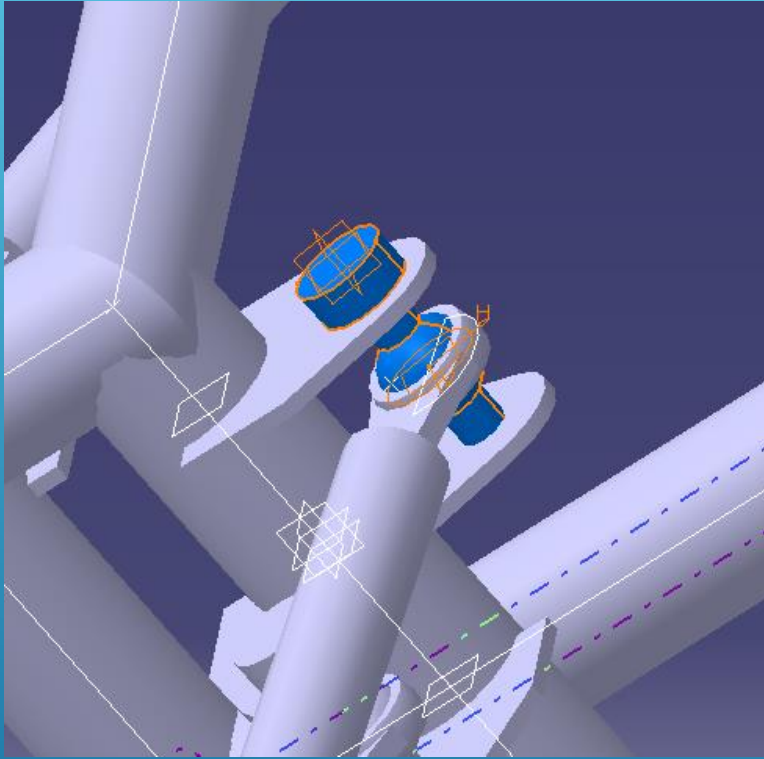
Arm bracket



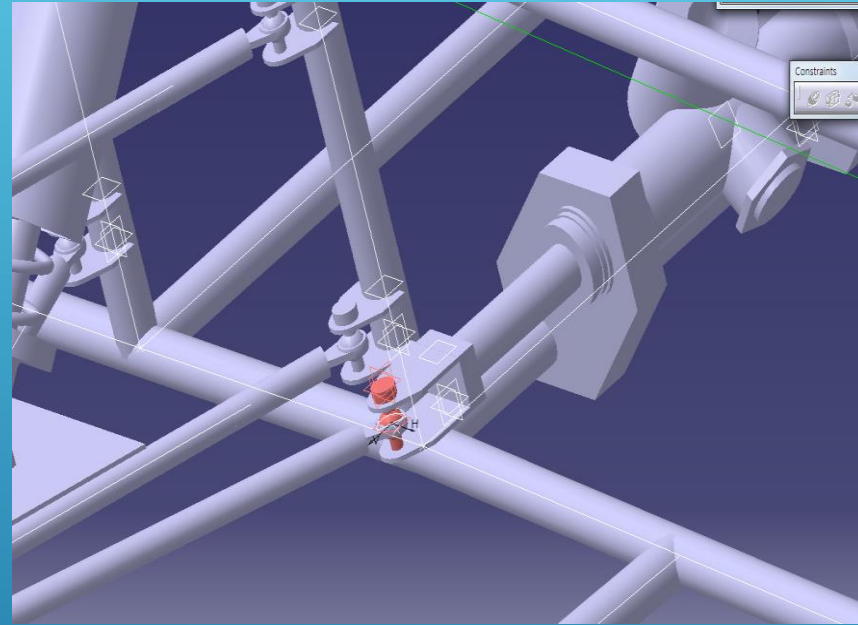
Motor Mount



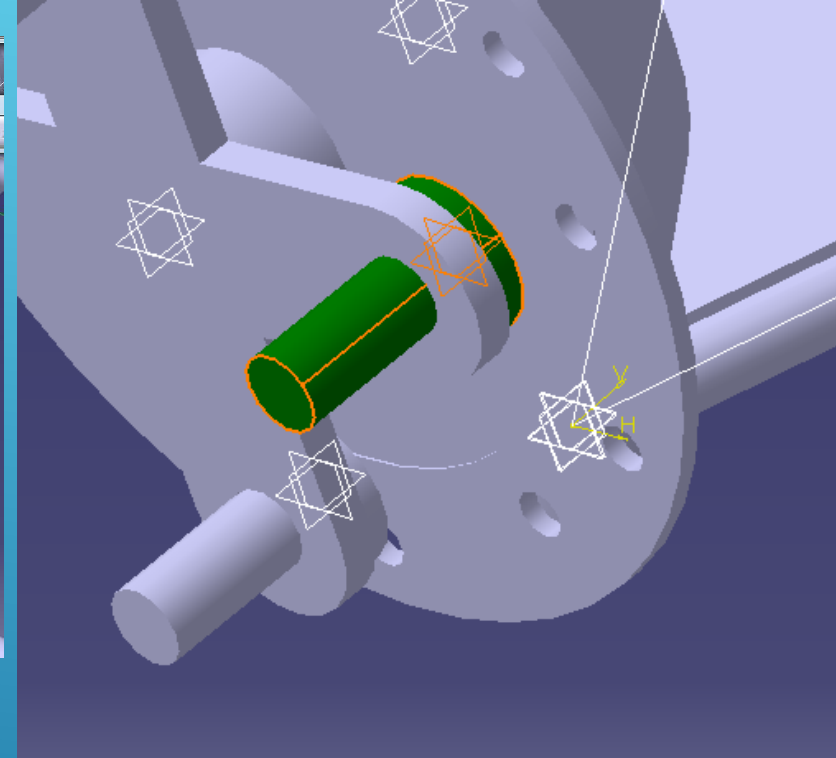
Tie Load bracket



Ball Joint Bolt

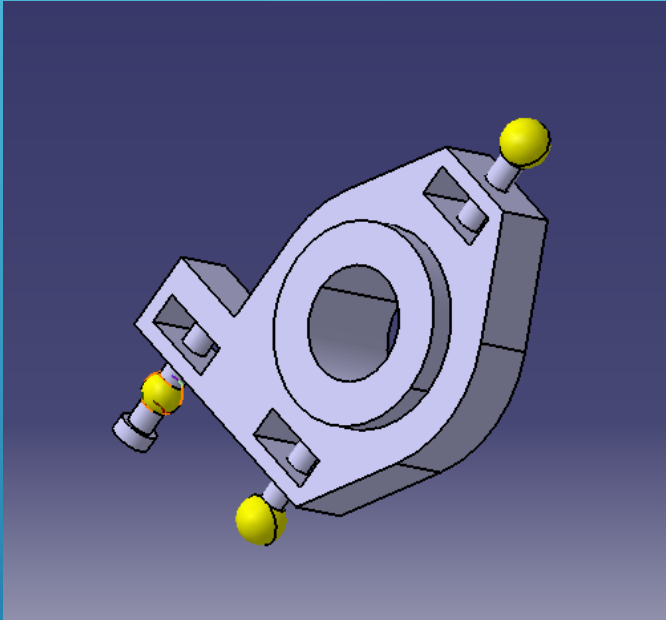


Steering Load

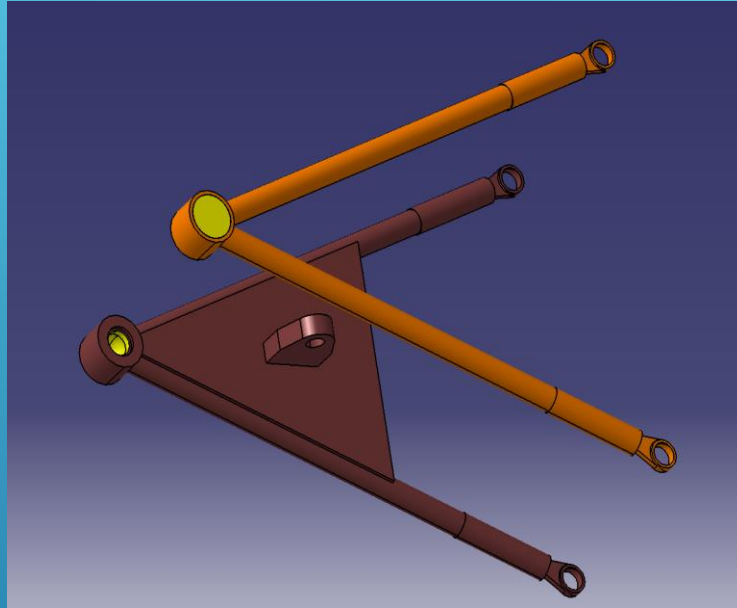


Wheel bolt

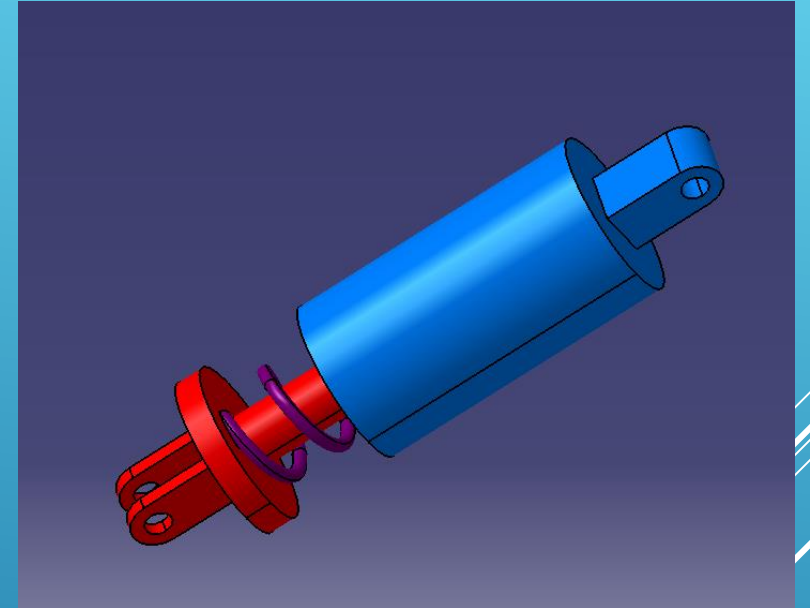
KNUCKLE & ARM



Knuckle



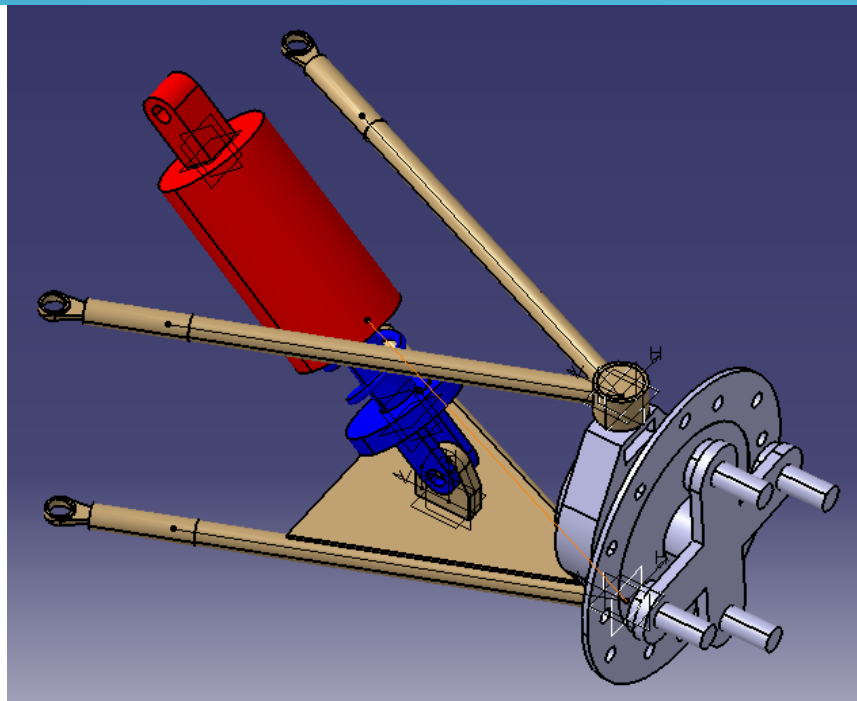
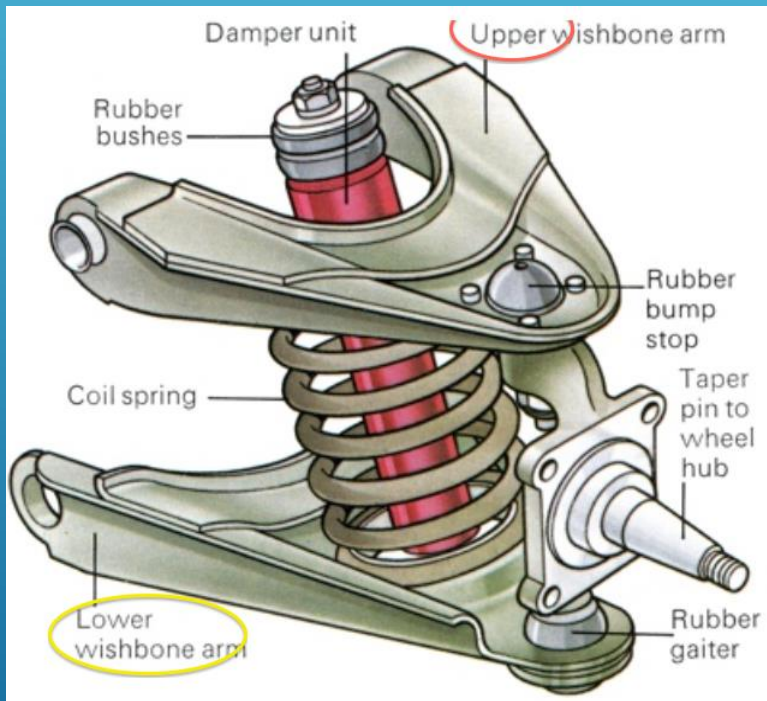
Upper Arm & Lower Arm



Suspension

SUSPENSION

< DOUBLE WISBORN >

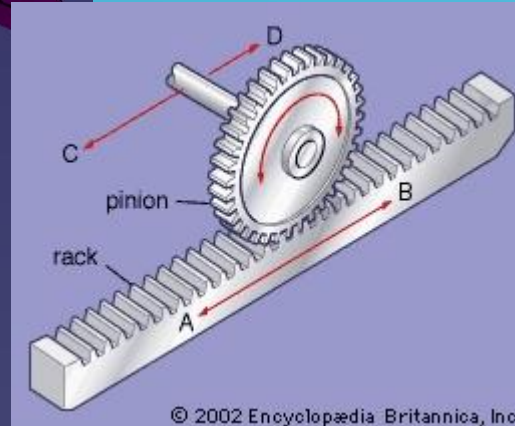
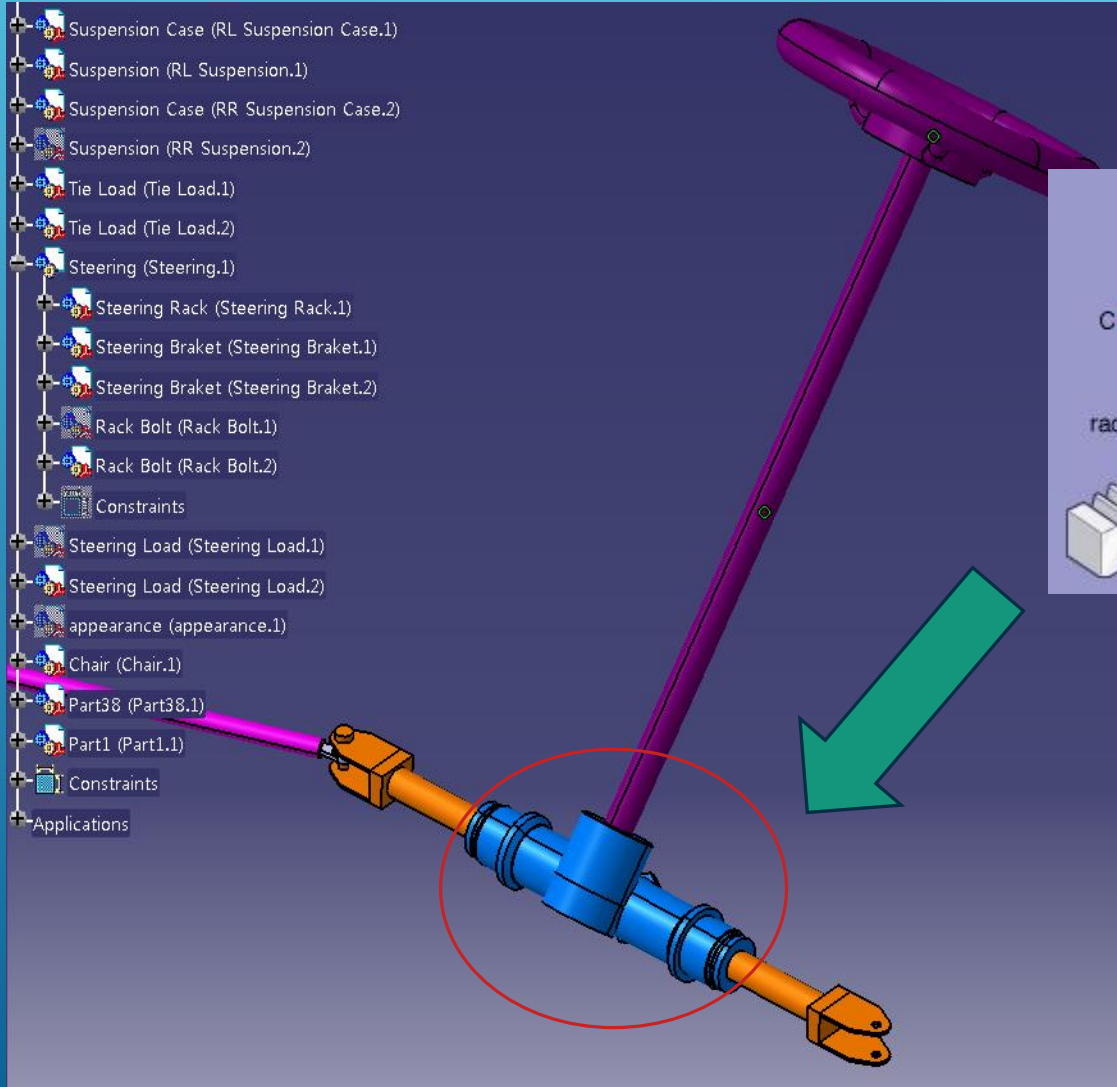


- 바퀴 운동에 비례하여 로어암,어퍼암, 스프링, 댐퍼 가 함께 운동함



- 내구성, 조정 안정성이 높아 경주용 차량에 적합

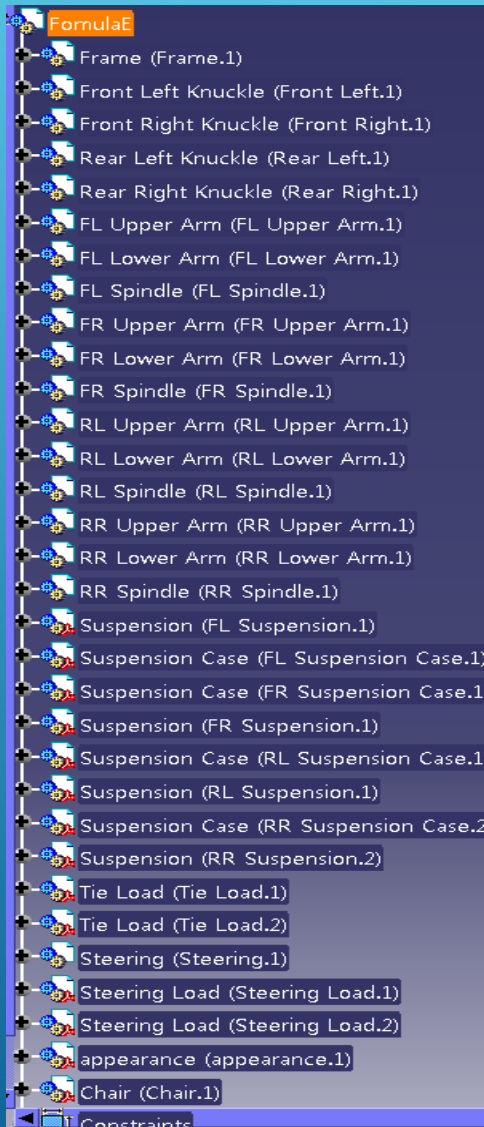
STEERING



RACK AND PINION

- 회전운동을 병진 운동으로 치환시킬 수 있음.

PRODUCT DESIGN



All Product Set

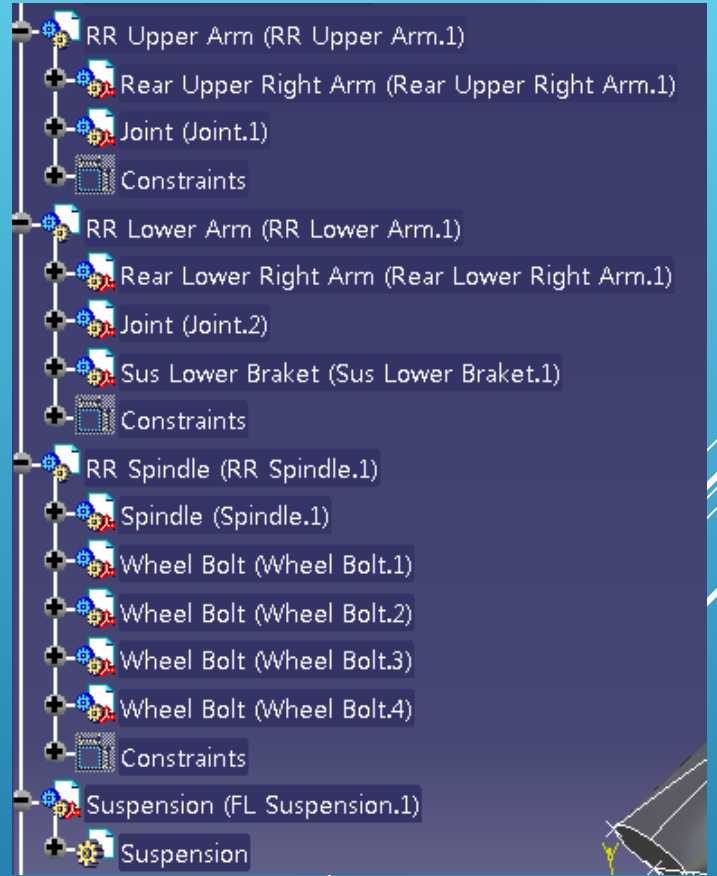
Part
108



Product
34



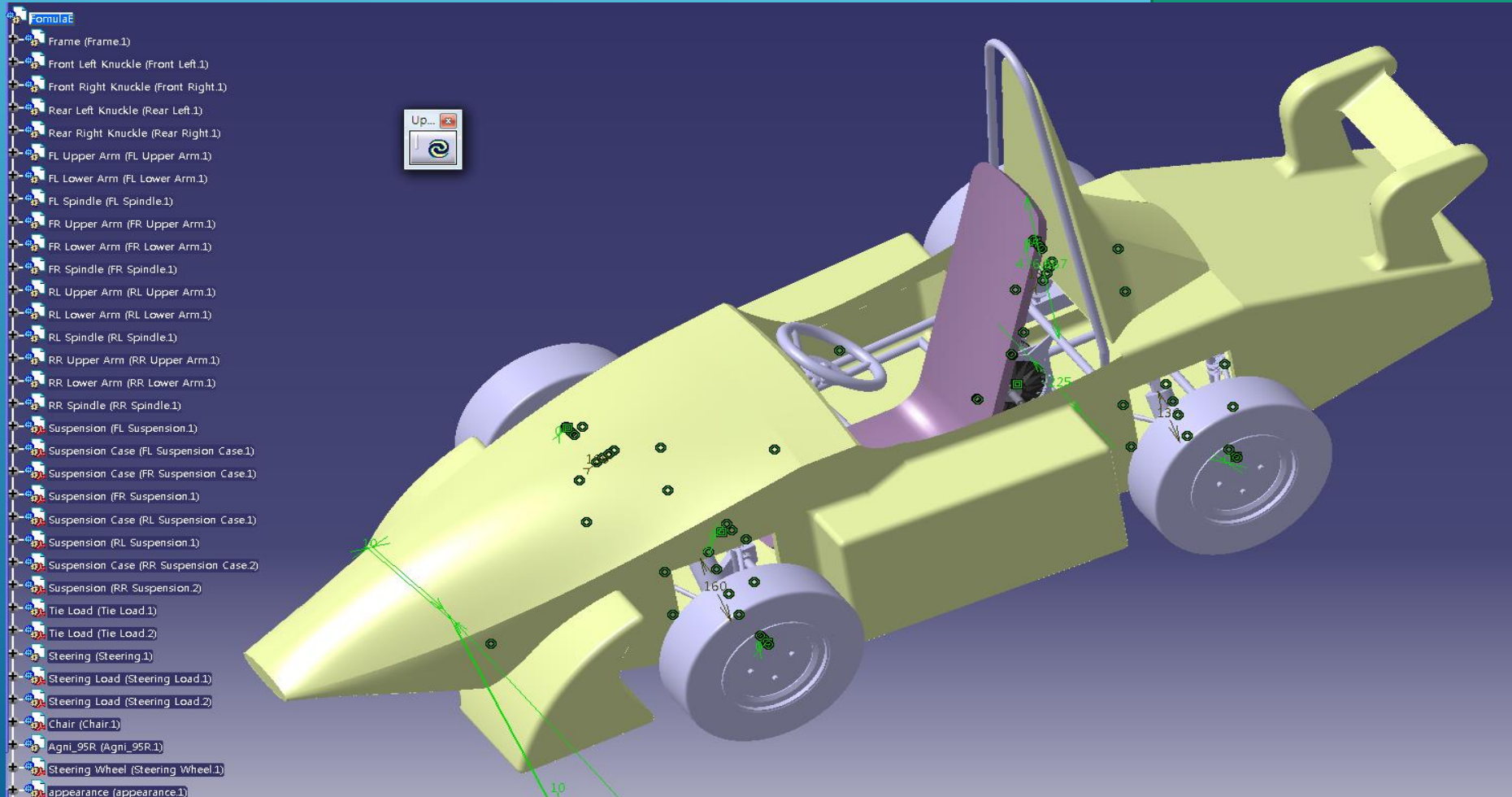
EX1) Frame



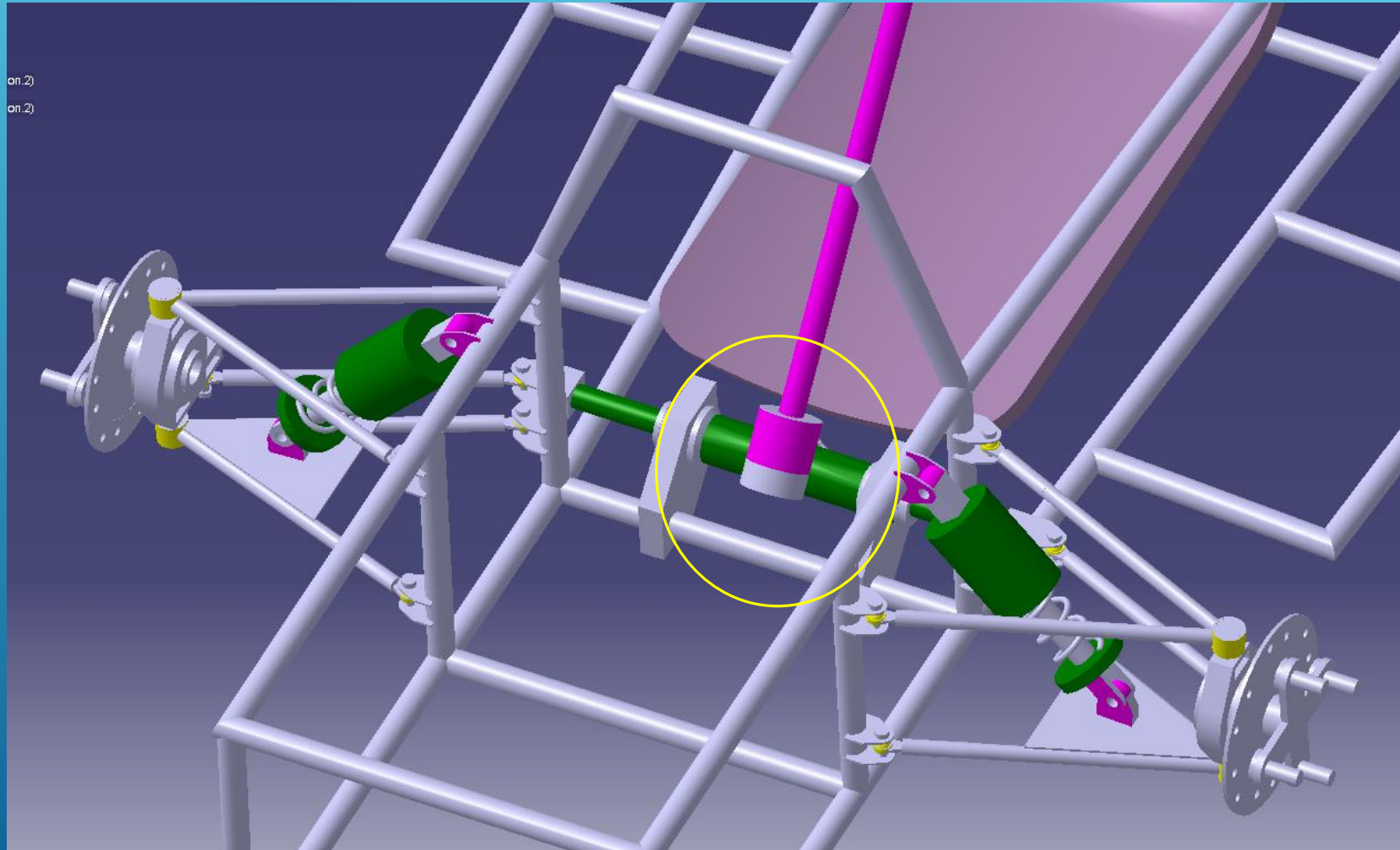
EX2) Arm, Spindle

ASSEMBLE

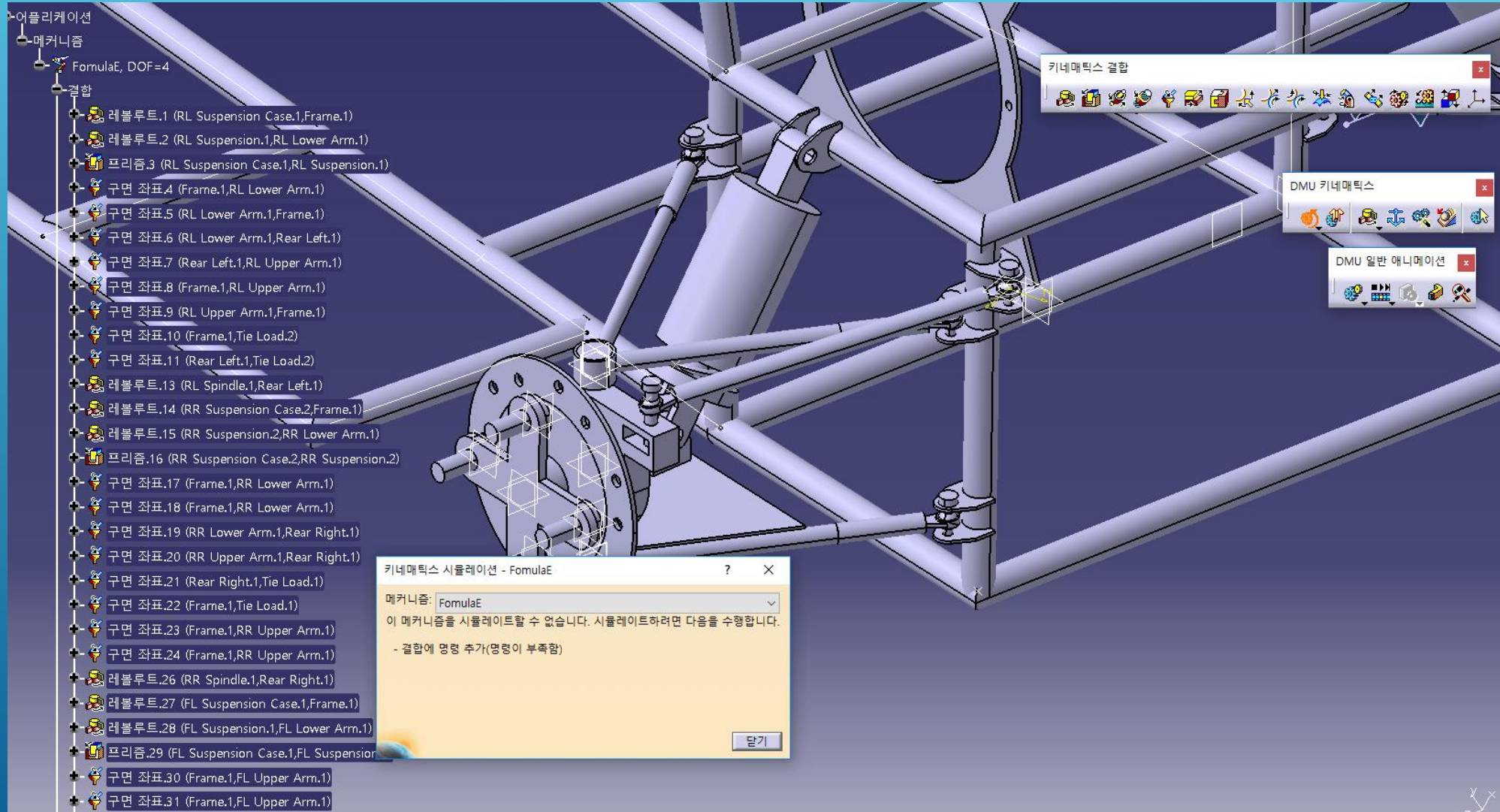
Constraints



KINEMATICS



SPHERICAL JOINT PROBLEM



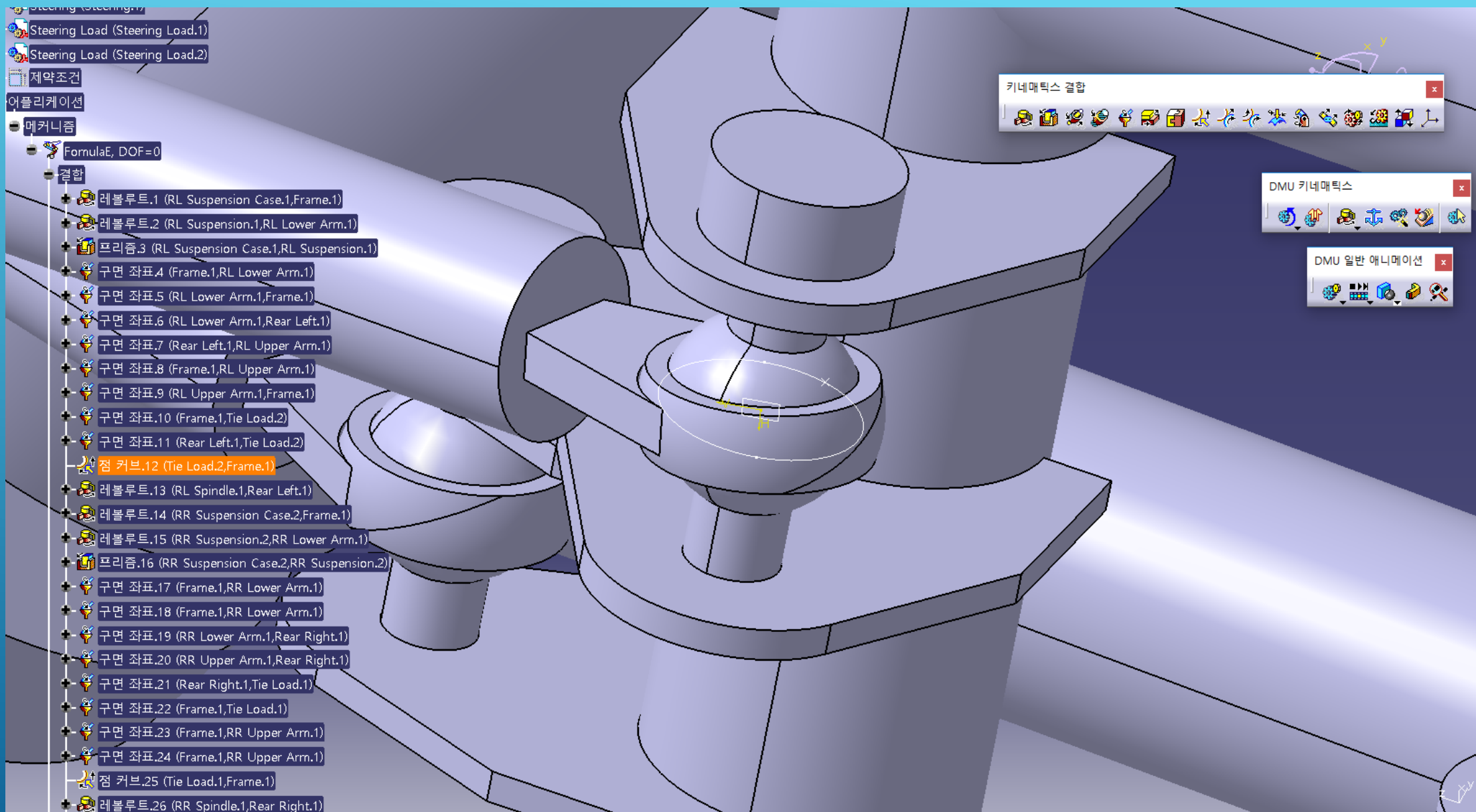
키네매틱스 시뮬레이션 - FomulaE

메커니즘: FomulaE

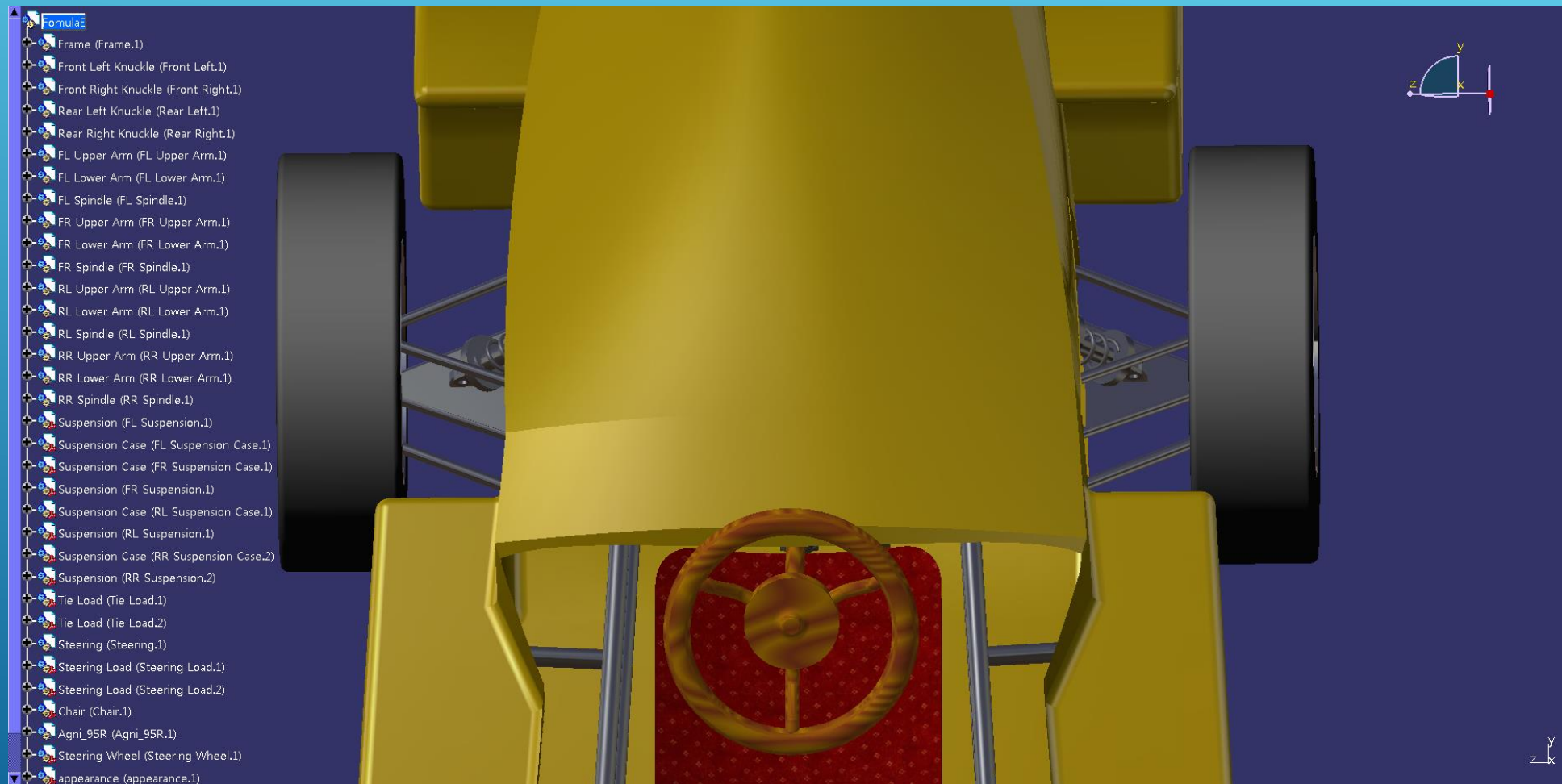
이 메커니즘을 시뮬레이트할 수 없습니다. 시뮬레이트하려면 다음을 수행합니다.

- 결합에 명명 추가(명령이 부족함)

닫기



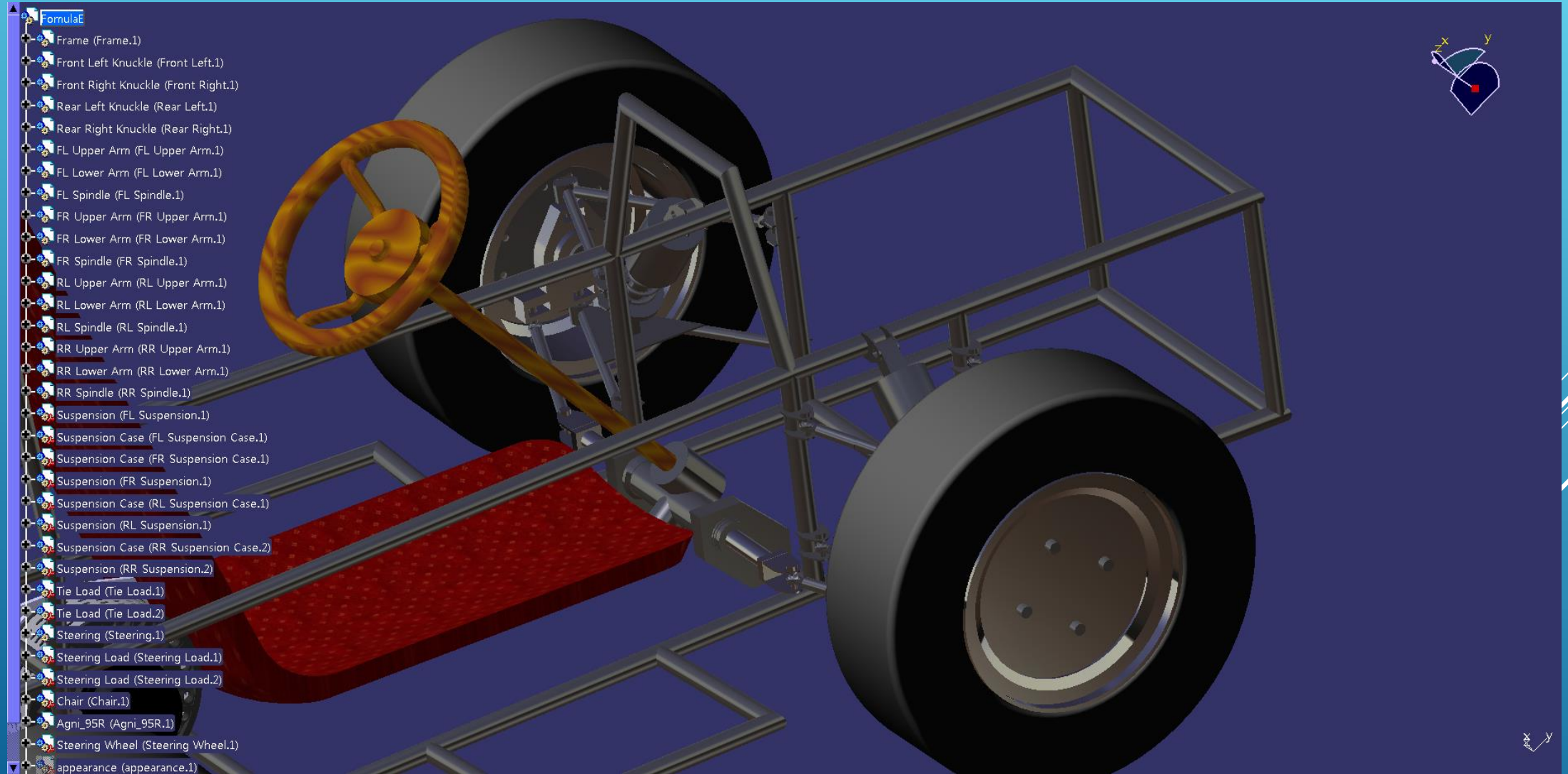
VIDEO



VIDEO



VIDEO



Q & A

THANKS FOR LISTENING

Decorative white lines consisting of several parallel diagonal strokes in the bottom right corner of the slide.