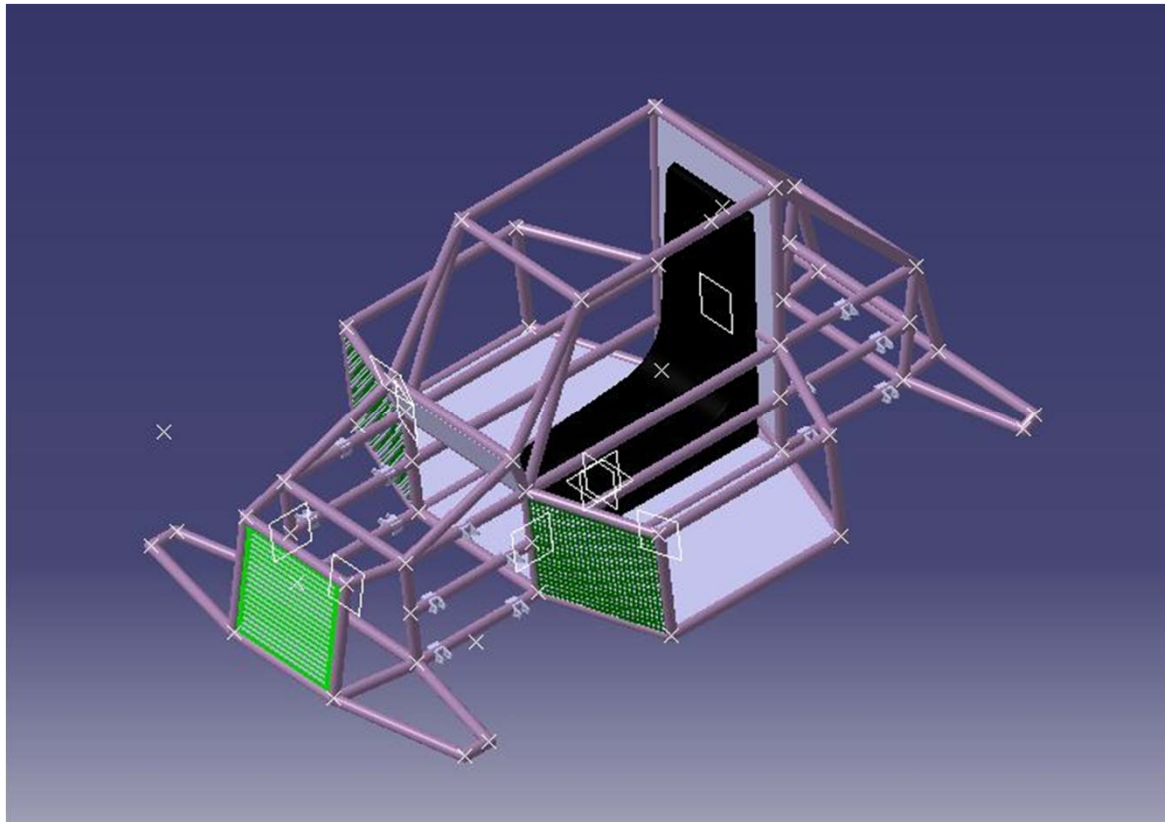
Bikini

미래자동차공학과
2011012164 김 기 훈
201101 조 계 환

Contents

- Frame
- Suspension
- Brake disk
- Tire
- Steering

Frame



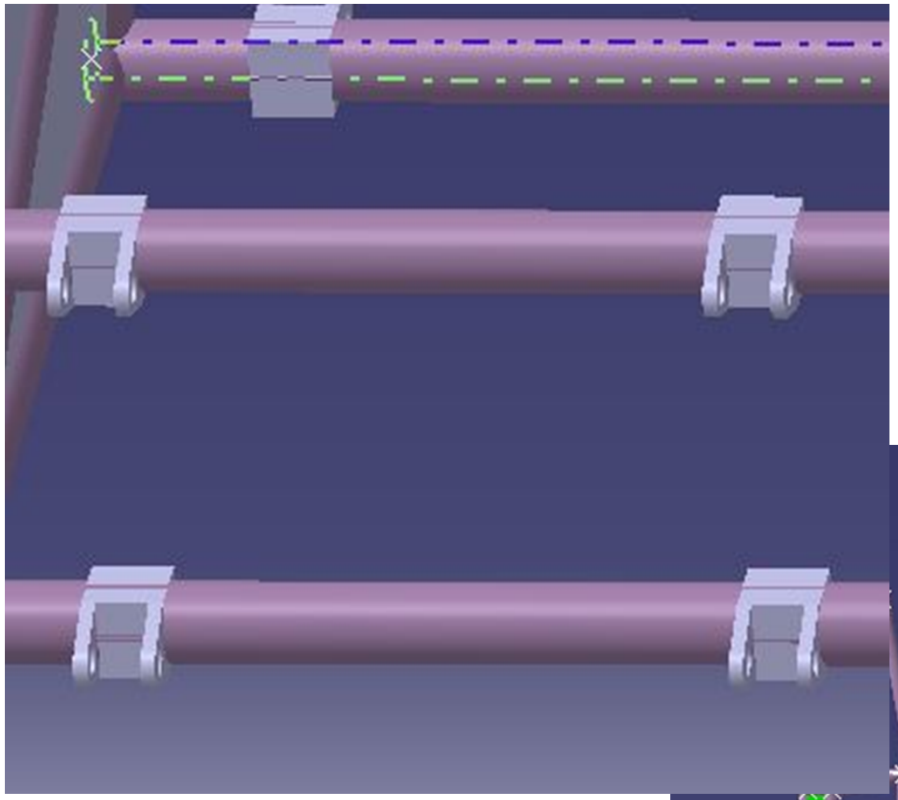
- 기초골격은 GSD 를 이용해서 작업.

좌표 입력으로 점찍기

폴리 라인

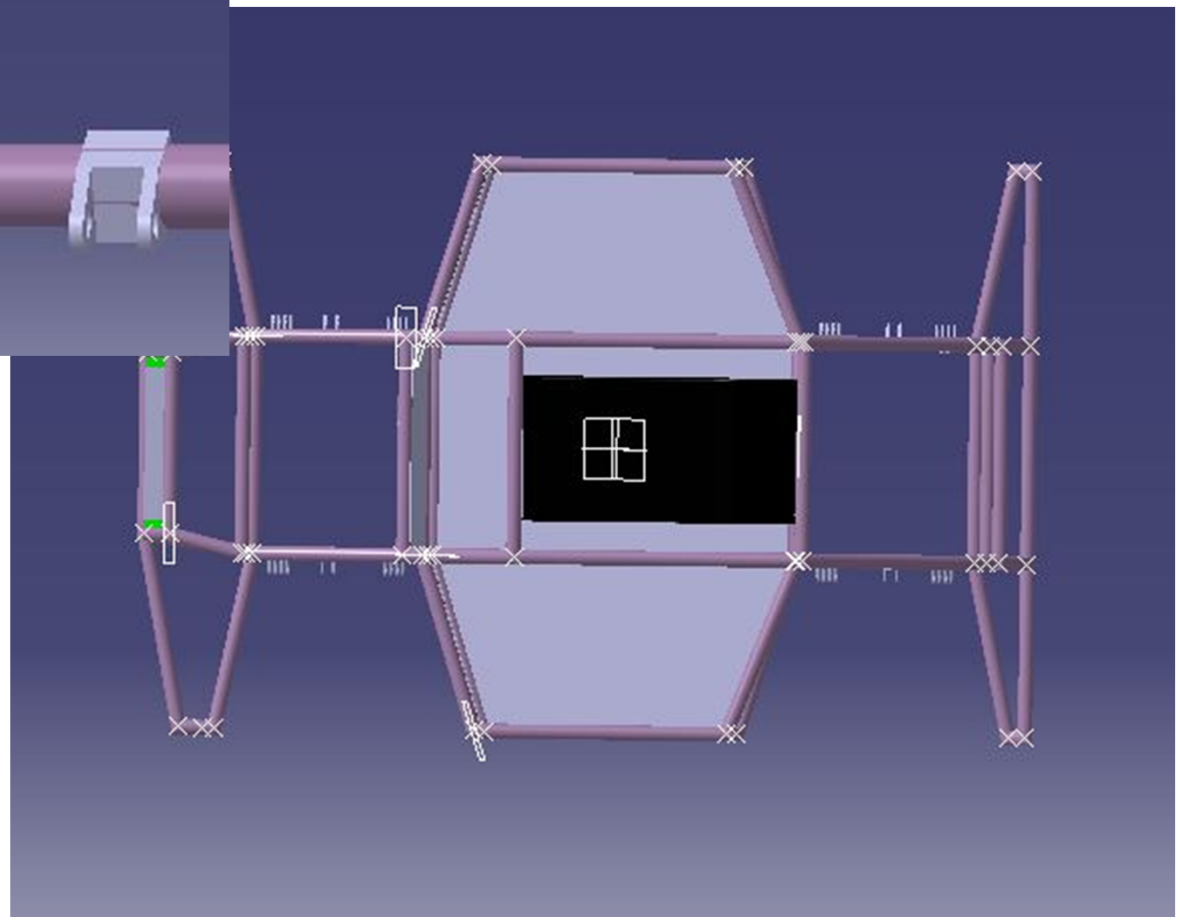
스윕

Thick surface

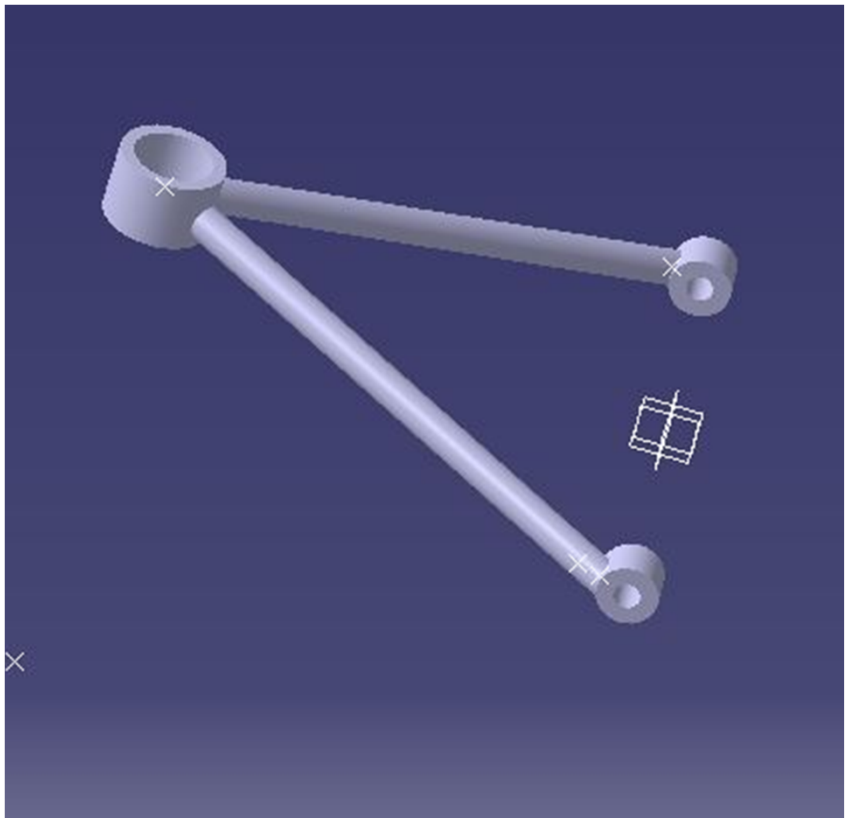


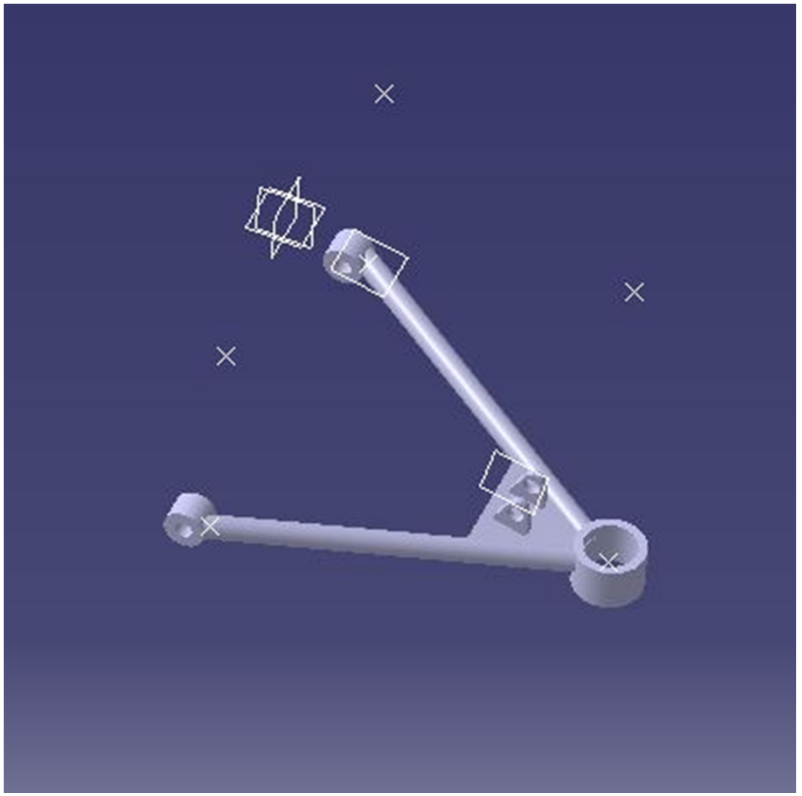
bracket

위에서 본 모습

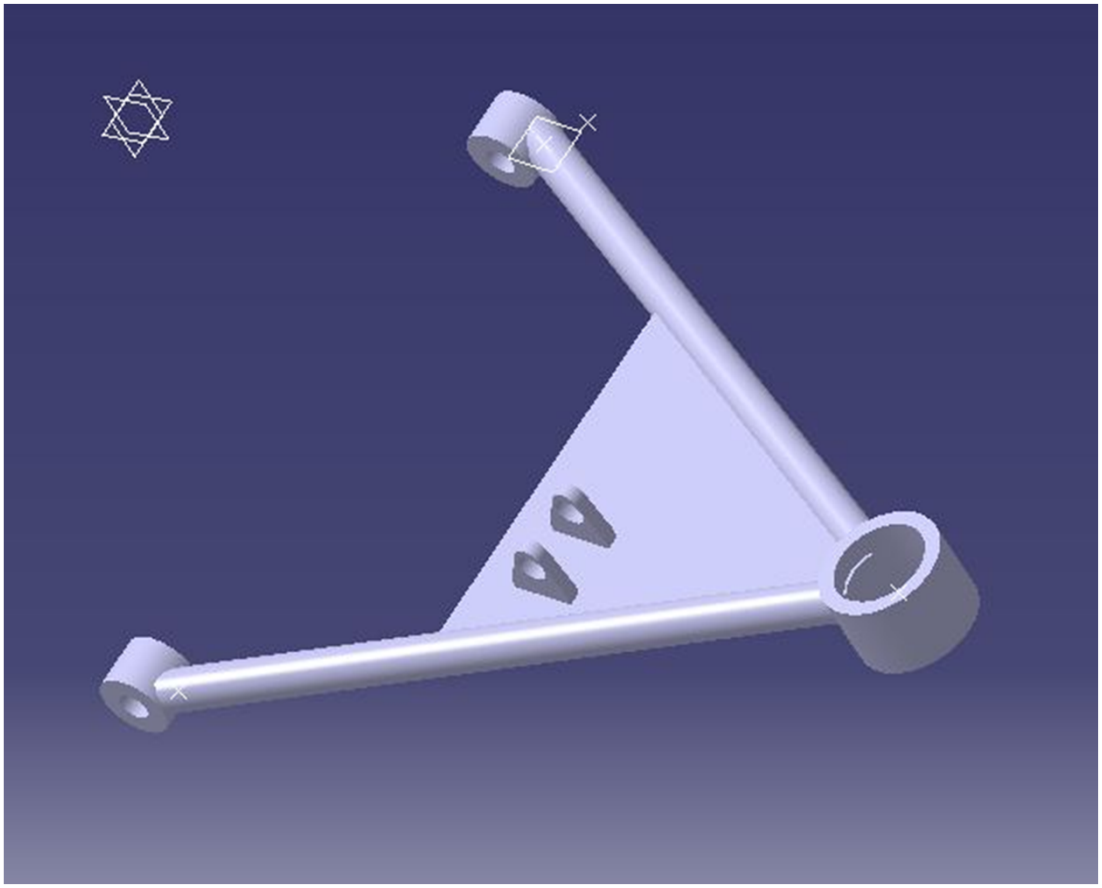


Suspension

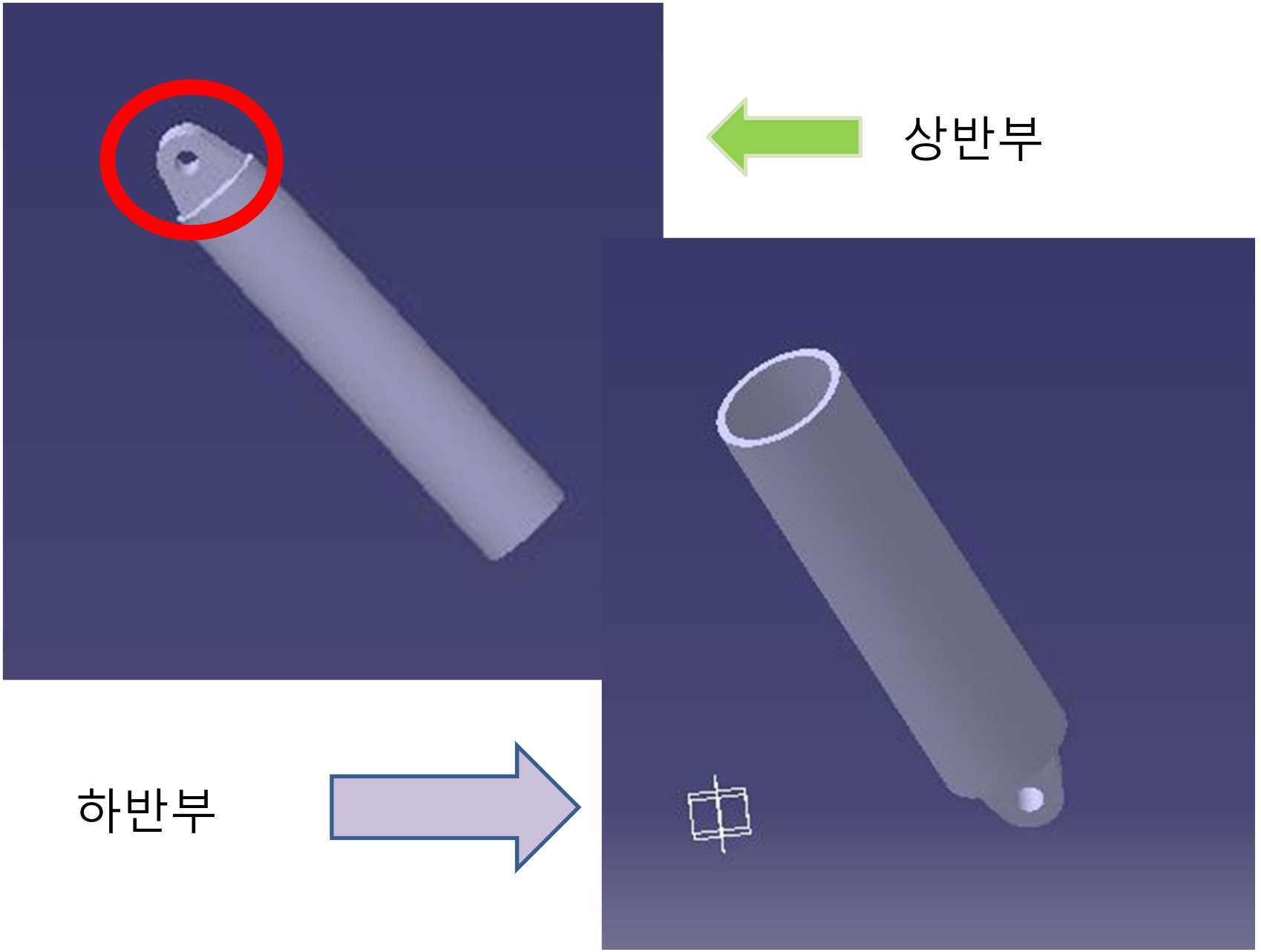




서스펜션의 상하 운동을 위한
파트의 분리

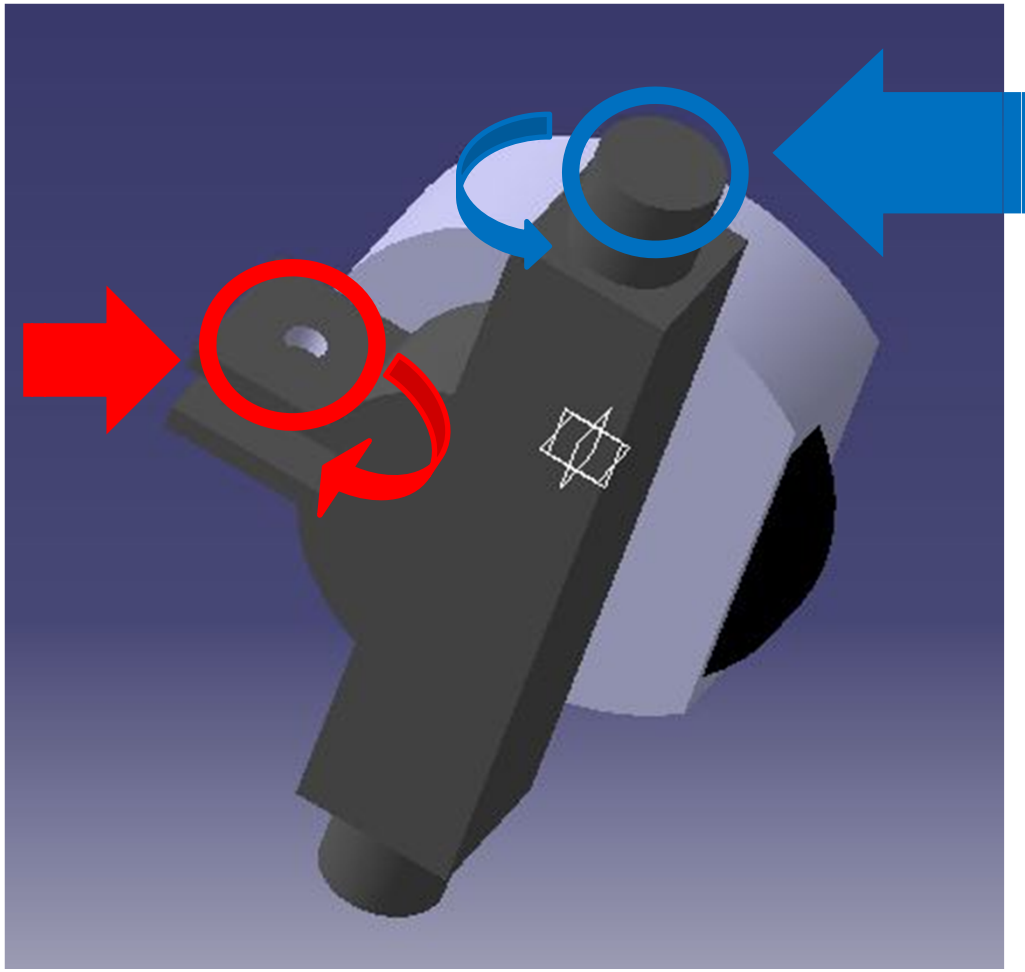


뒷 바퀴의 경우 엔진과 연결되는 구동축을 연결하기 위해 damper와 서스펜션의 연결부를 중심에서 약간 가쪽으로 치우치게 만든다.


상반부
하반부

Brake Disk

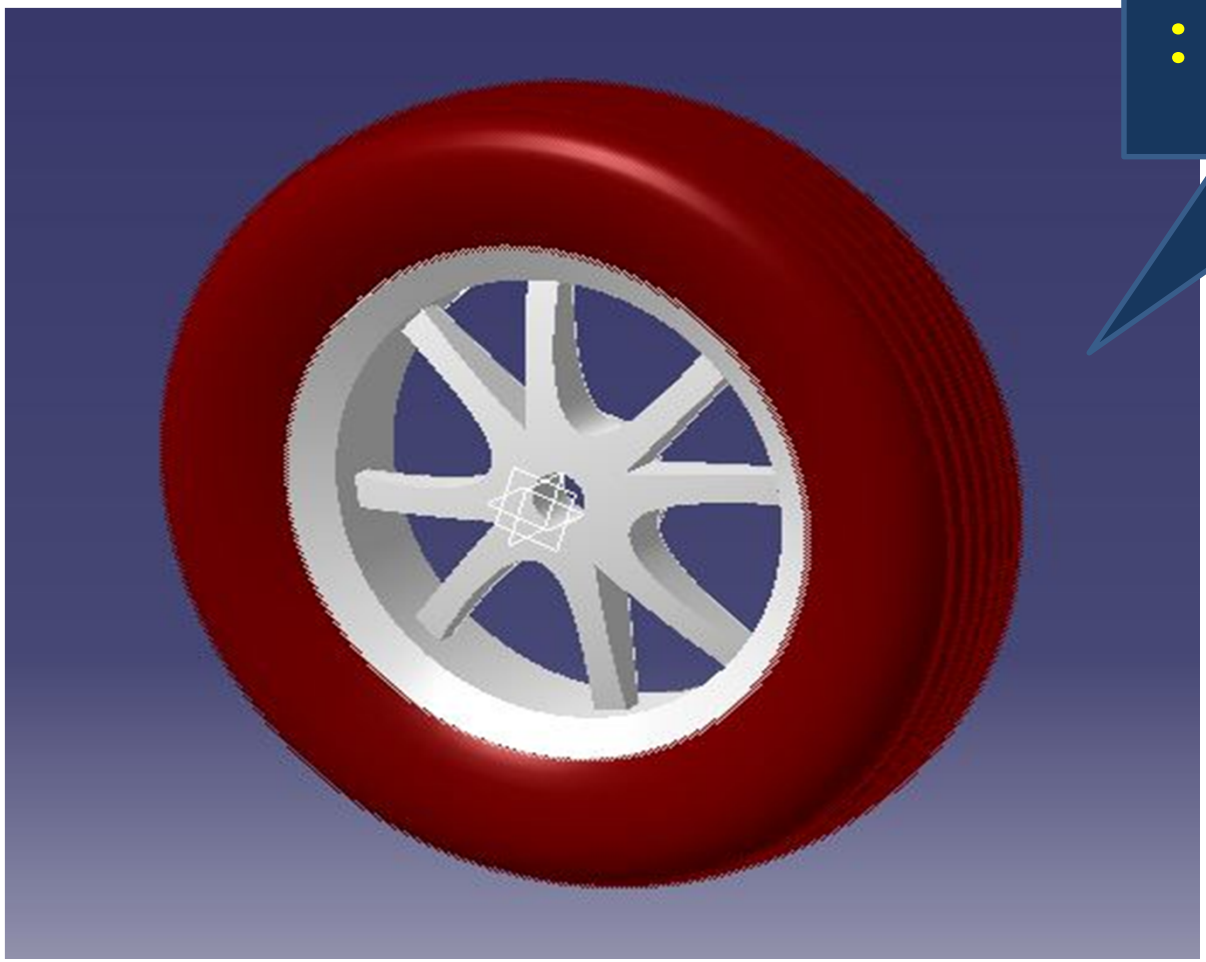
앞바퀴의 조향 장치와 연결되는 부분.



서스펜션과 연결부.

Tire

Tire

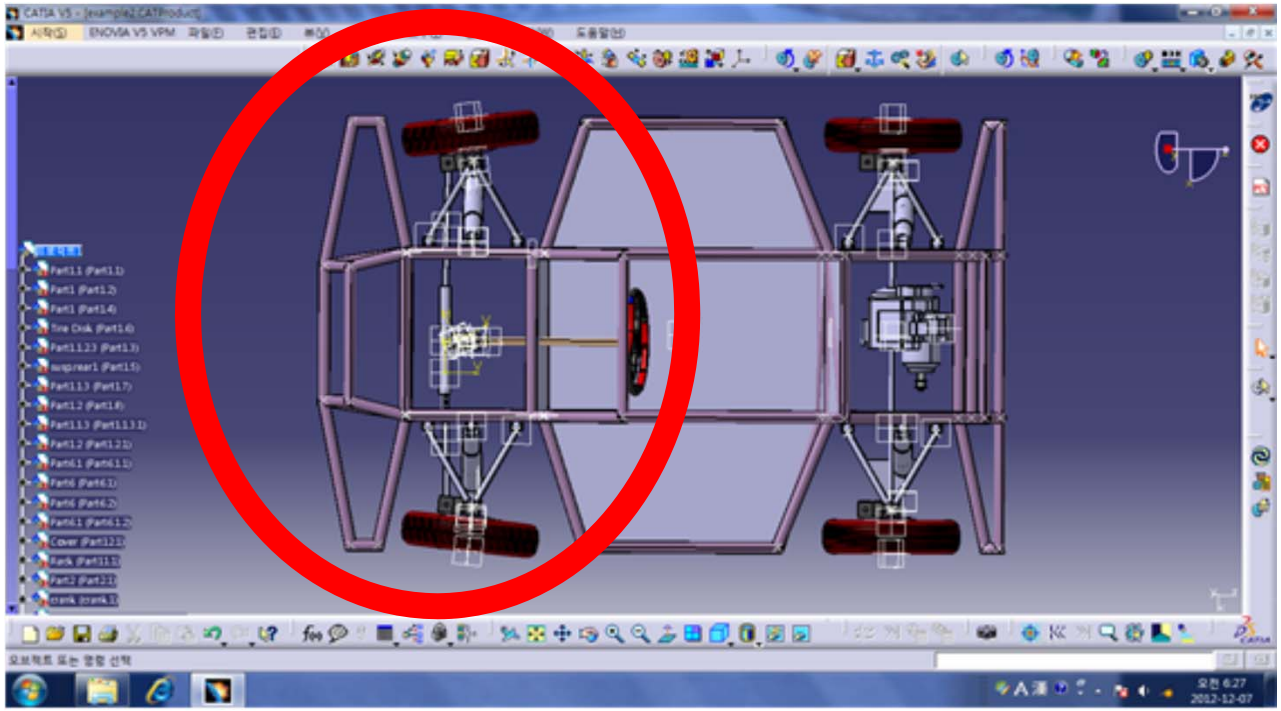


Part Design

: Shaft, Shell

Toe in

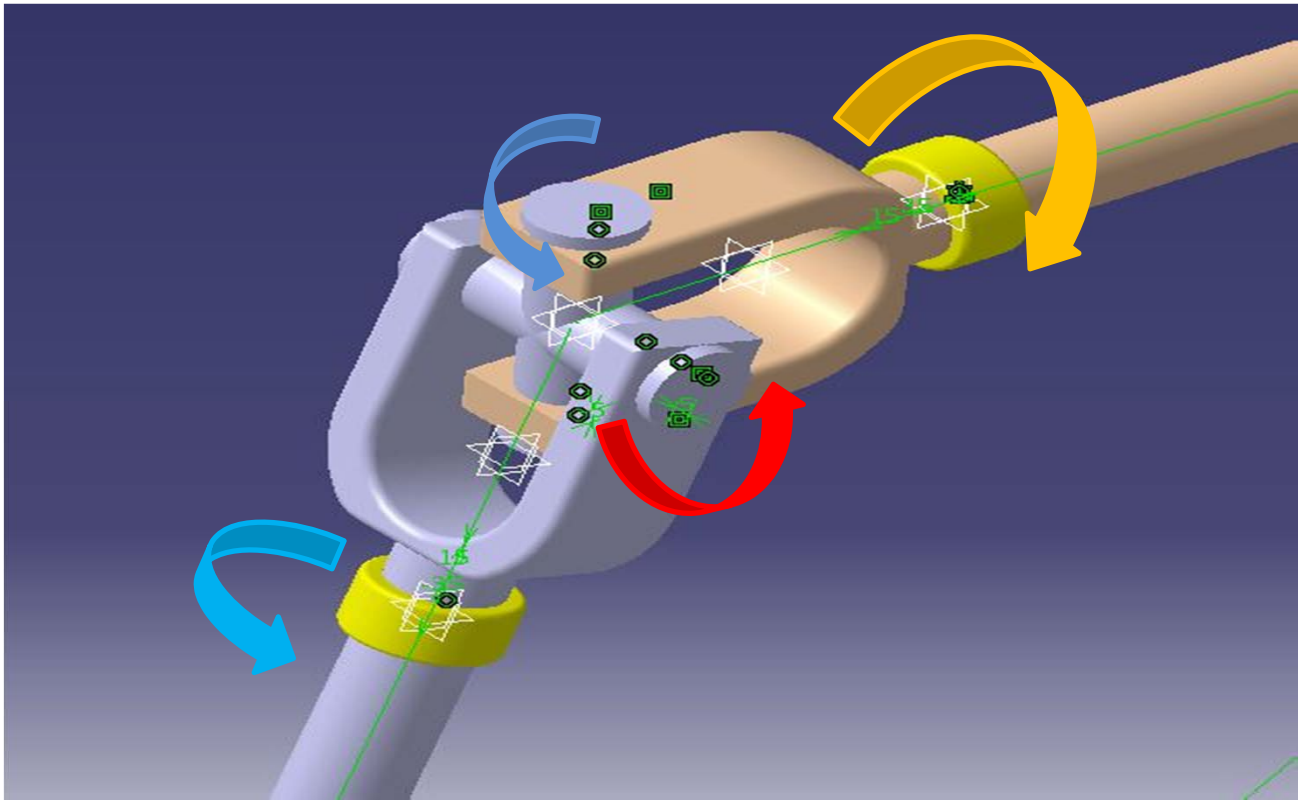
Tire 앞쪽 벌어짐 현상 보완
Stability 향상



Steering

Steering

- Universal Joint

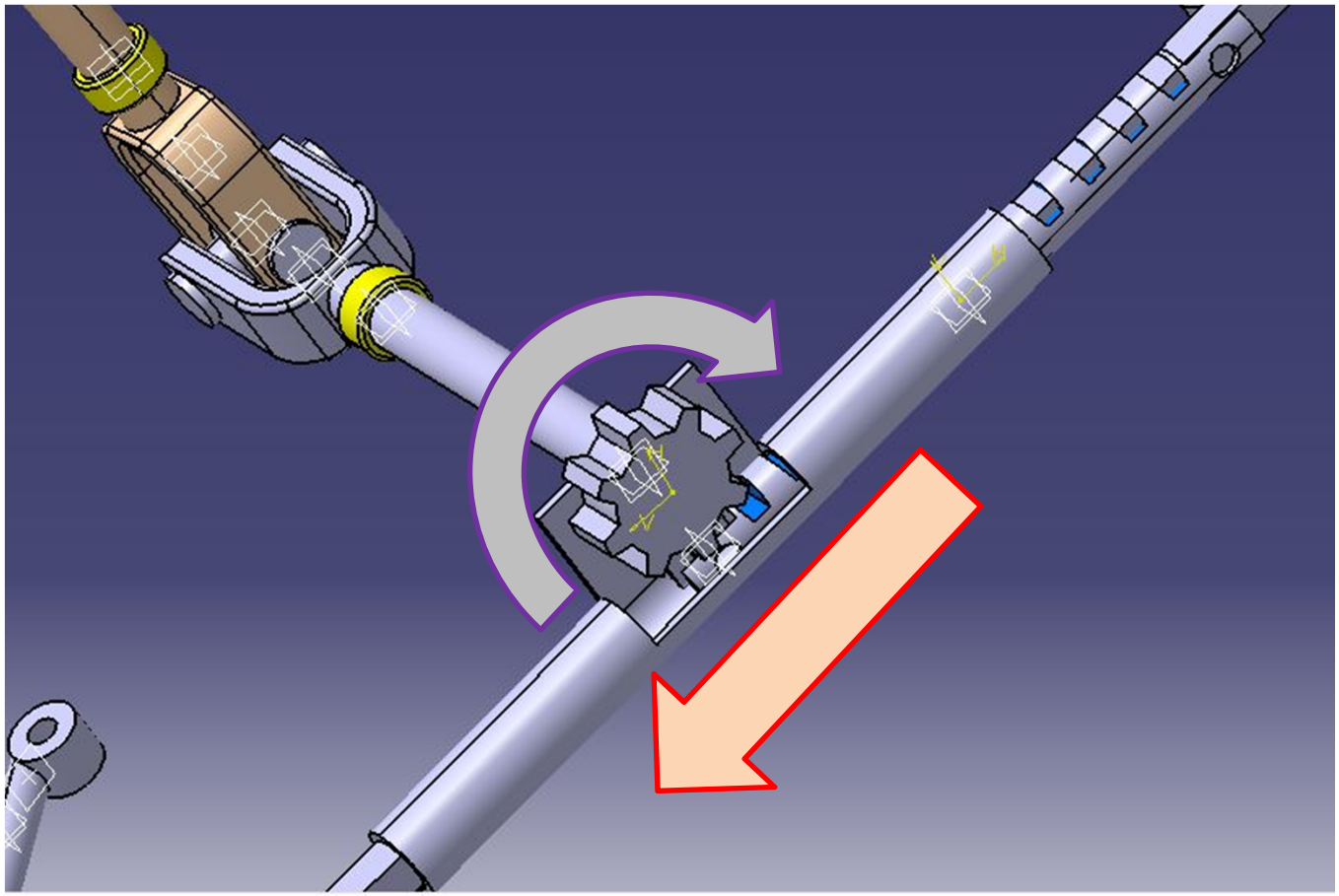


축이 꺾여있어도

축 회전이 가능하게 함

Steering

- Rack & Pinion

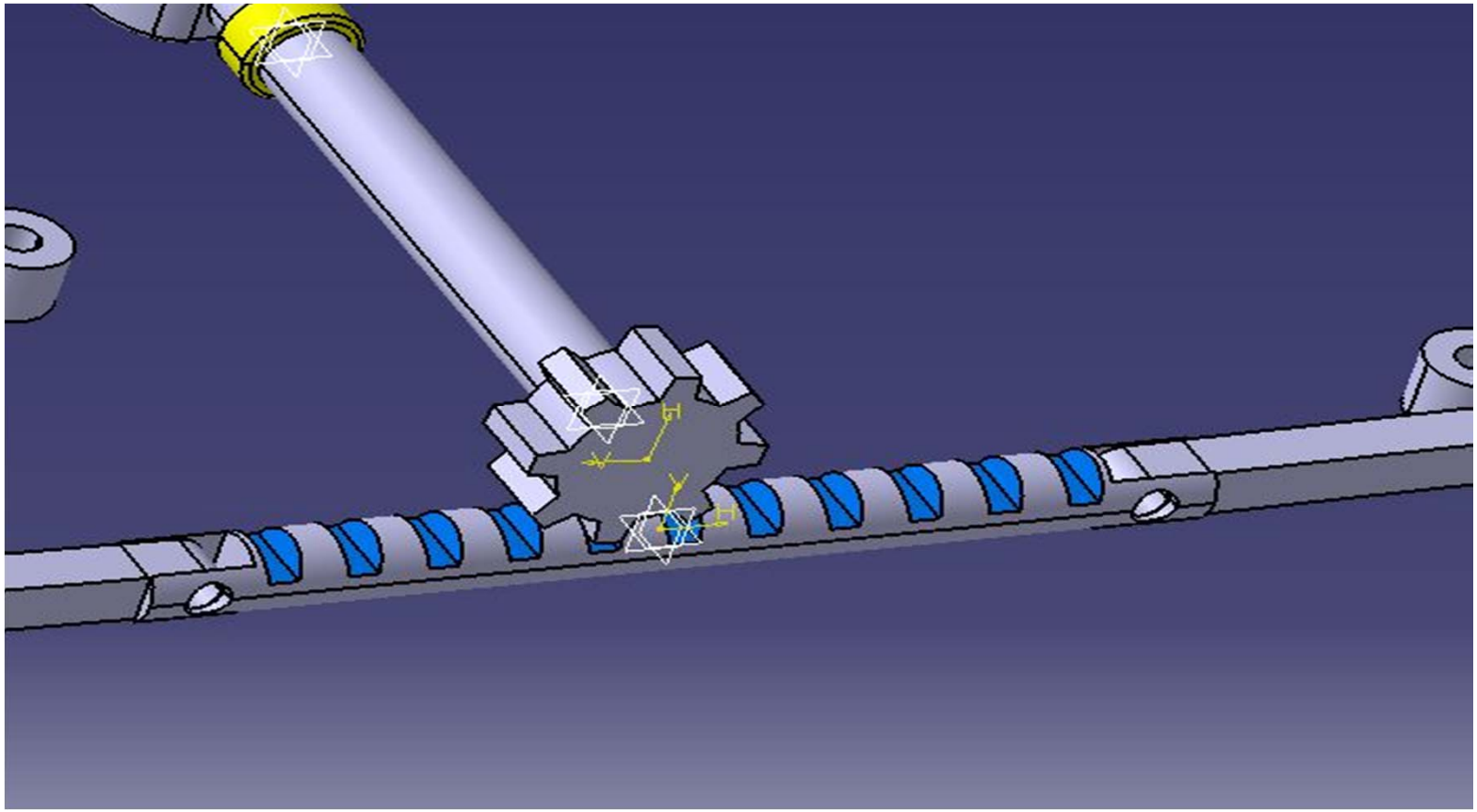


Rotational motion

Linear motion

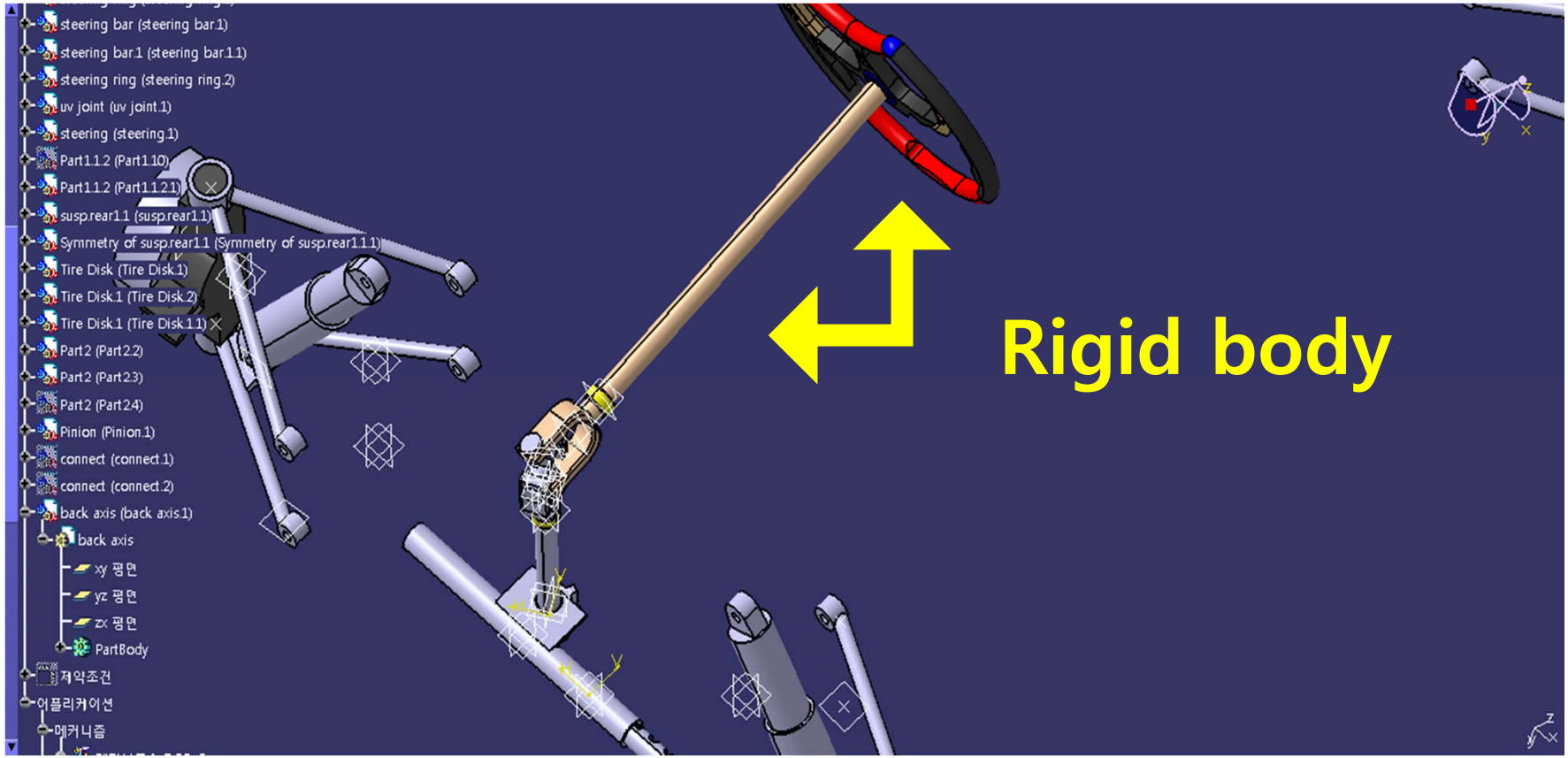
Steering

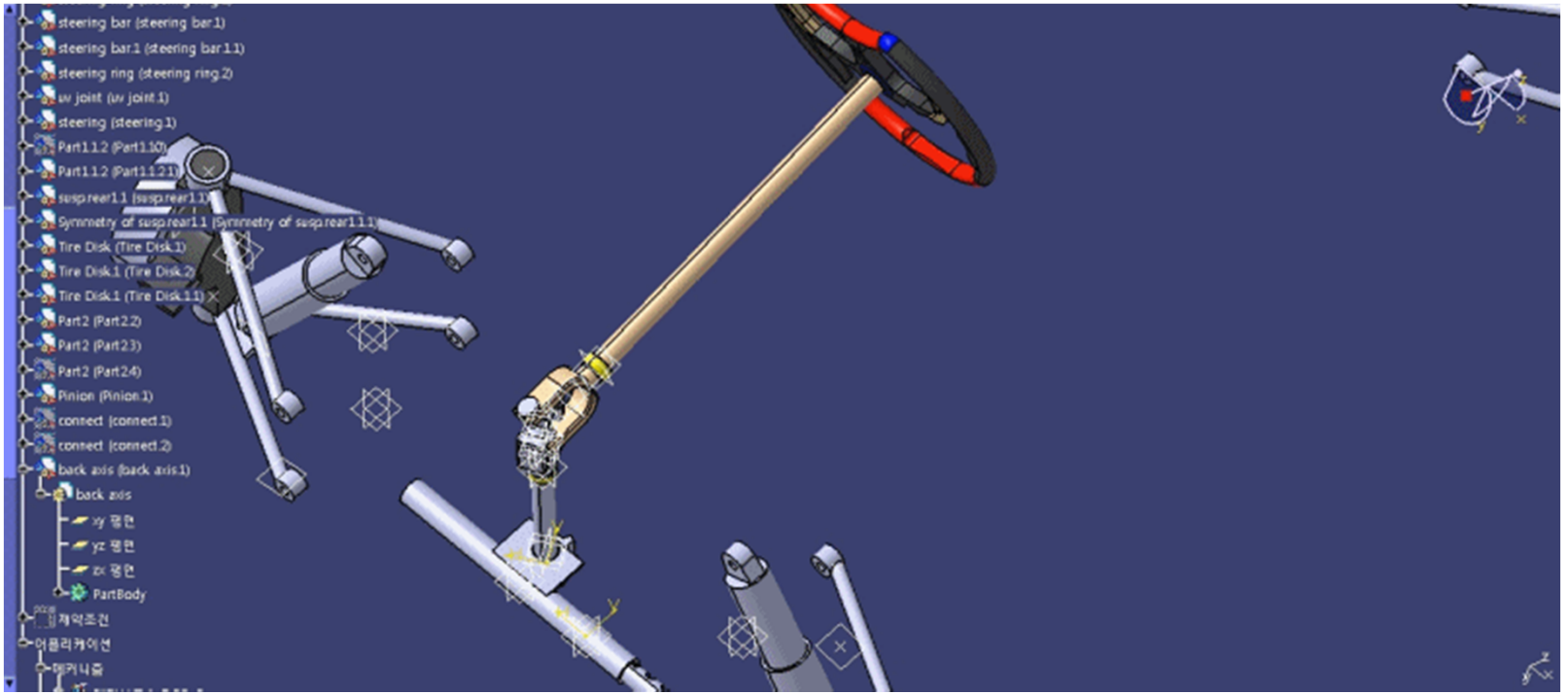
- Rack & Pinion



Steering

- Rack & Pinion




steering bar (steering bar.1)
steering bar.1 (steering bar.1.1)
steering ring (steering ring.2)
uv joint (uv joint.1)
steering (steering.1)
Part1.1.2 (Part1.1.2)
Part1.1.2 (Part1.1.2.1)
susp.rear1.1 (susp.rear1.1)
Symmetry of susp.rear1.1 (Symmetry of susp.rear1.1.1)
Tire Disk (Tire Disk.1)
Tire Disk.1 (Tire Disk.2)
Tire Disk.1 (Tire Disk.1.1)
Part2 (Part2.2)
Part2 (Part2.3)
Part2 (Part2.4)
Pinion (Pinion.1)
connect (connect.1)
connect (connect.2)
back axis (back axis.1)
back axis
xy 평면
yz 평면
zx 평면
PartBody
제약조건
어플리케이션
메커니즘

감사합니다.