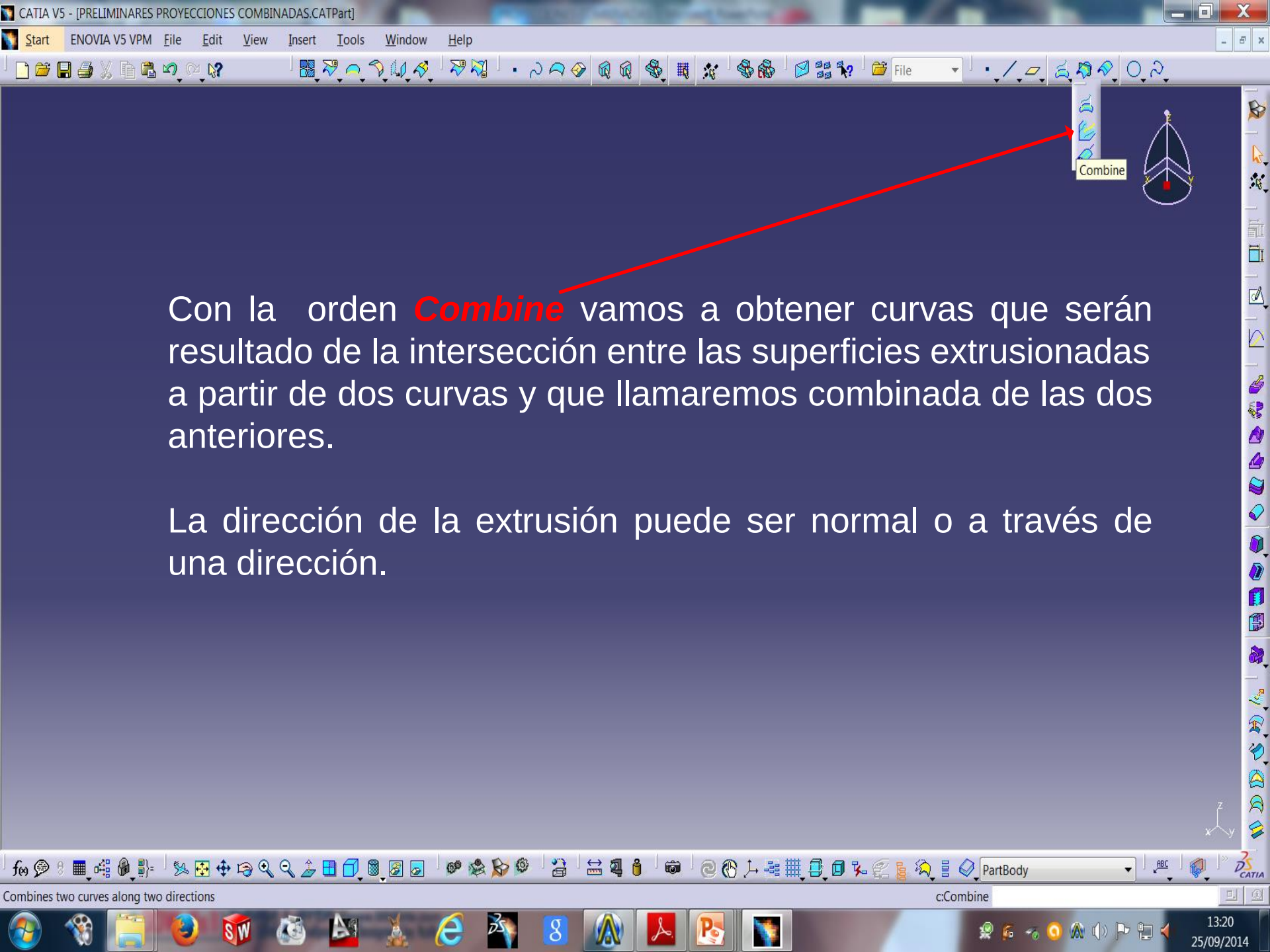


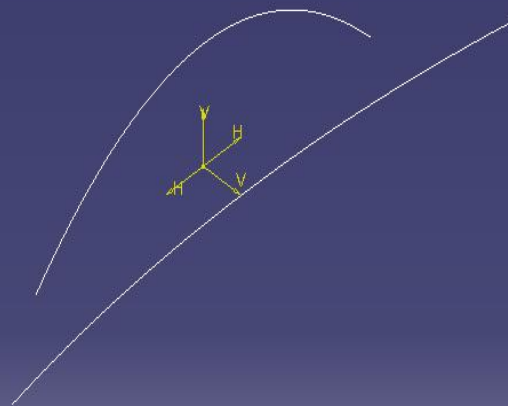
PRELIMINARES



Con la orden **Combine** vamos a obtener curvas que serán resultado de la intersección entre las superficies extrusionadas a partir de dos curvas y que llamaremos combinada de las dos anteriores.

La dirección de la extrusión puede ser normal o a través de una dirección.

Tenemos dos sketches en los que cada uno contiene una curva de la que vamos a hallar su curva combinada.

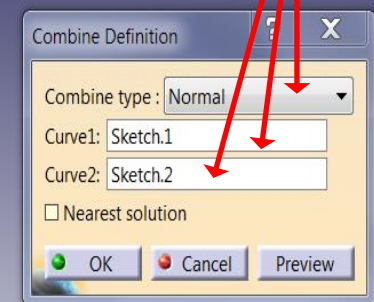




1 Picamos el icono

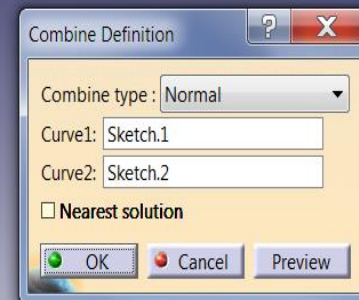
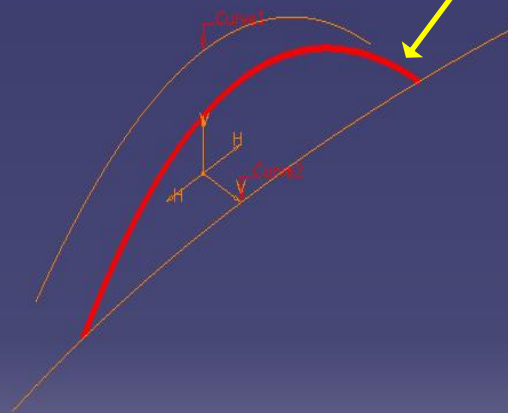
Combine

2 en el cuadro de dialogo que nos aparece, rellenamos las casillas

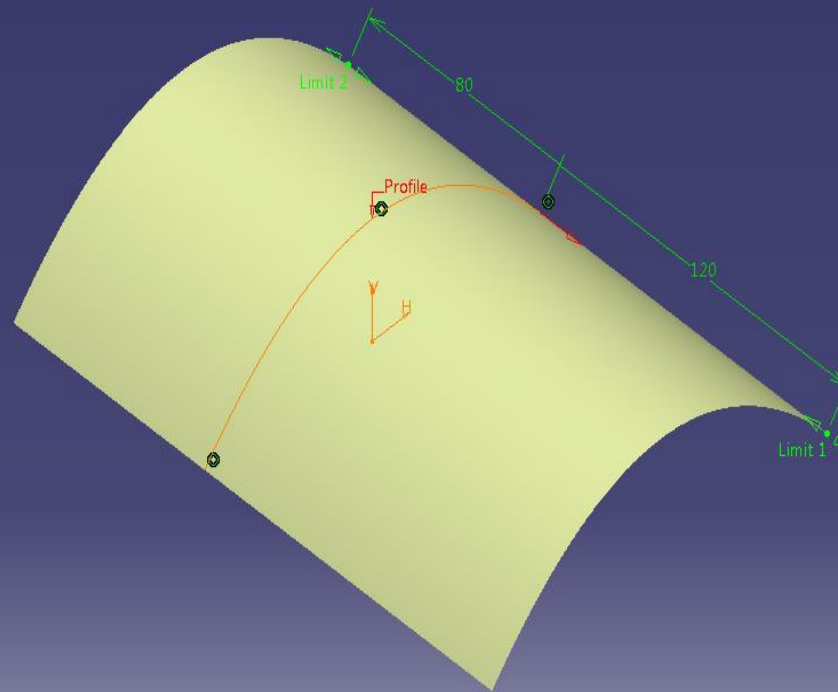
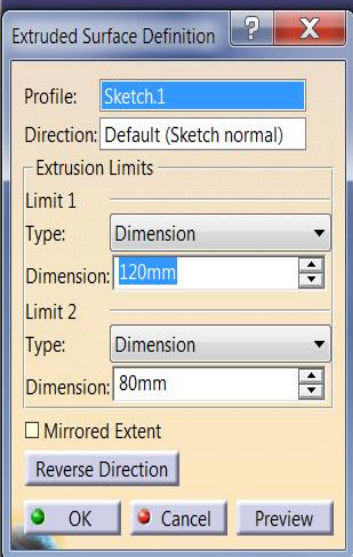


Al picar en OK, nos aparece en rojo la curva combinada de las curvas 1 y 2, que en sí, no nos dice gran cosa.

CURVA COMBINADA



Pero si extruimos normalmente la curva del sketch 1





y la del sketch 2

Extruded Surface Definition

Profile: Sketch.2

Direction: Default (Sketch normal)

Extrusion Limits

Limit 1

Type: Dimension

Dimension: 120mm

Limit 2

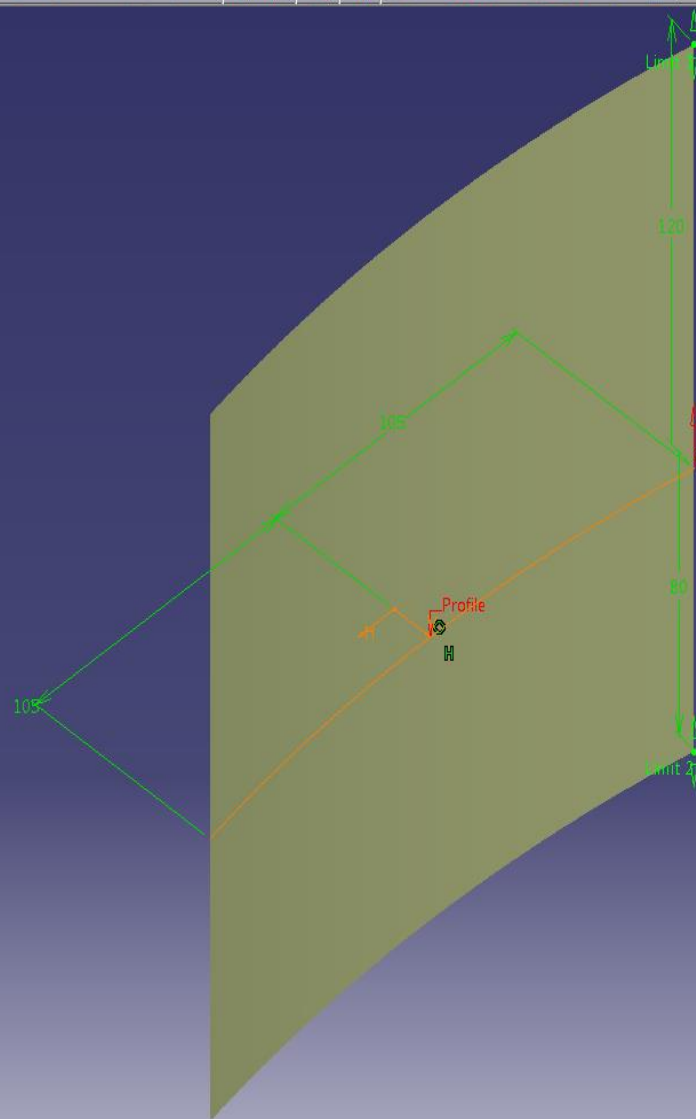
Type: Dimension

Dimension: 80mm

☐ Mirrored Extent

Reverse Direction

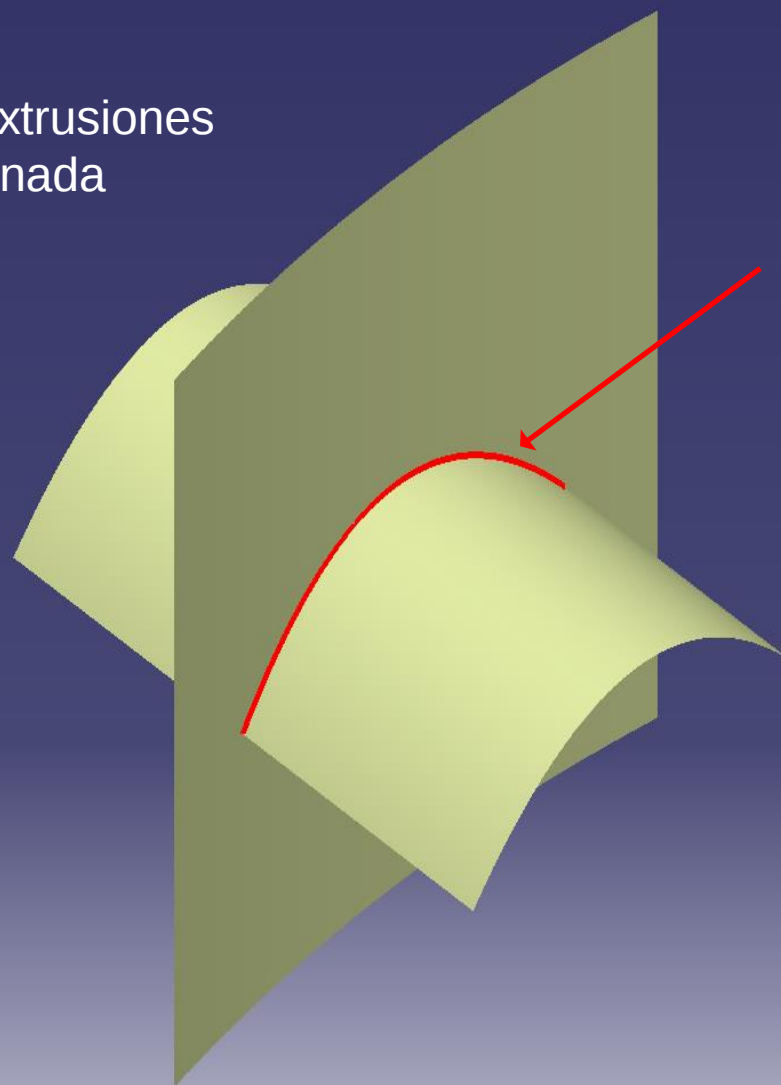
OK Cancel Preview



Select the profile to be extruded

Limit 1 Dimension; Limit 2 Dimension 120mm; 80mm

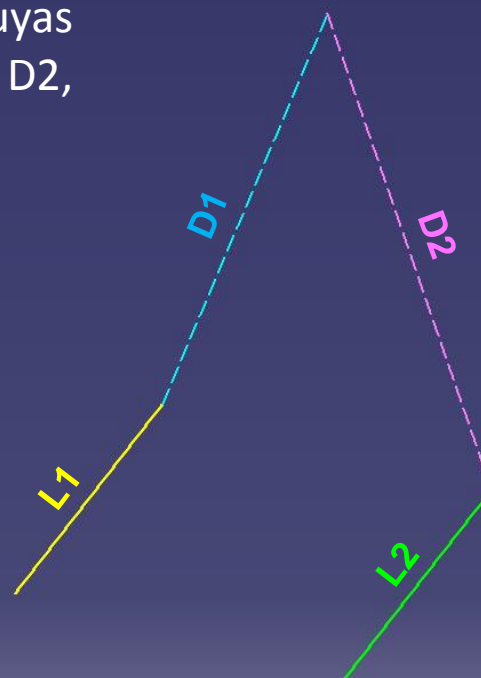
La intersección de ambas extrusiones coincide con la curva combinada obtenida anteriormente.



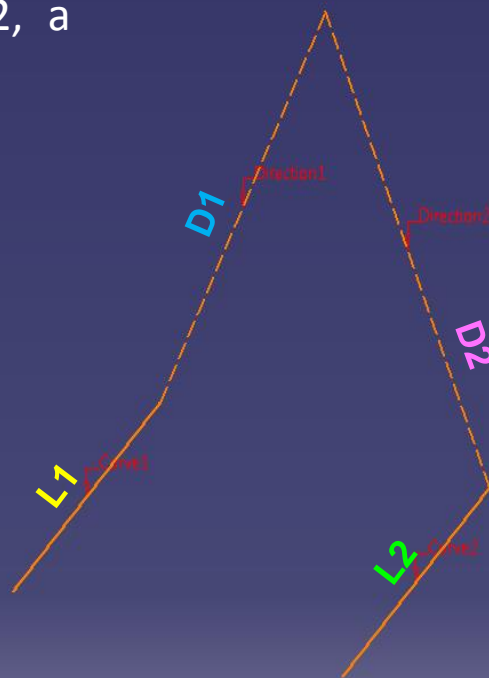
CURVA COMBINADA



Tenemos las líneas L1 y L2, cuyas direcciones de extrusión son D1 y D2, respectivamente.



La curva combinada de L1 y L2, a través de las direcciones D1 y D2



Combine Definition

Combine type: Along directions

Curve1: Line.1

Curve2: Line.2

Direction1: Line.3

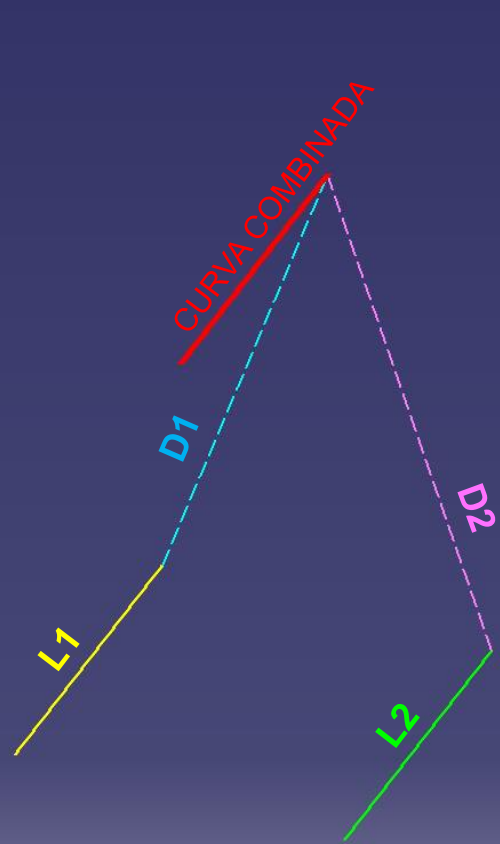
Direction2: Line.4

☐ Nearest solution

OK Cancel Preview



será



Select an object or a command

PartBody

Quitar hardware de forma segura y expulsar el medio



Pero si extruimos L1 150 mm. a través de la dirección D1

Extruded Surface Definition

Profile: Line.1

Direction: Line.3

Extrusion Limits

Limit 1

Type: Dimension

Dimension: 150mm

Limit 2

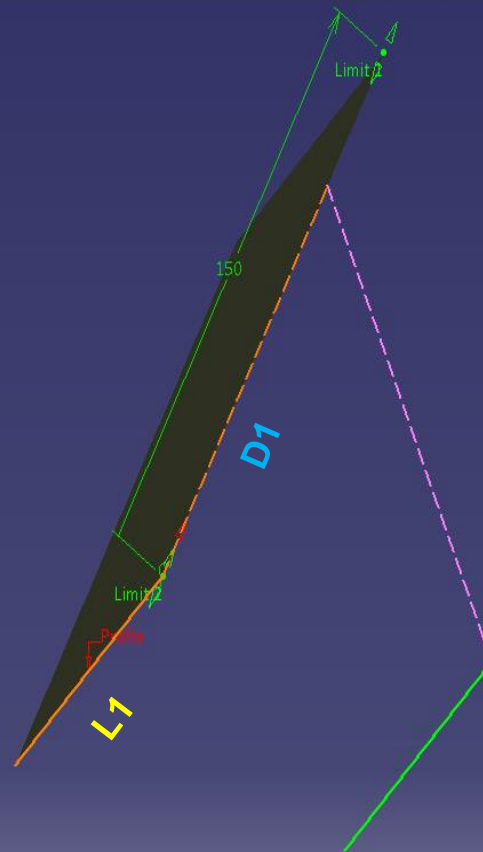
Type: Dimension

Dimension: 0mm

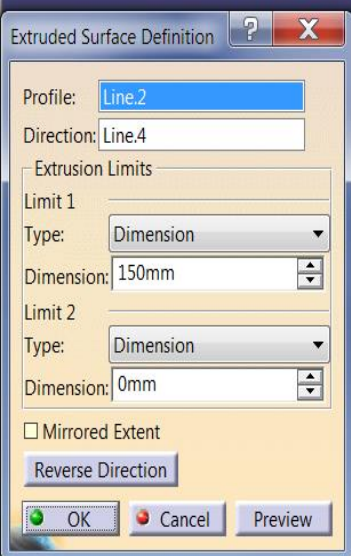
☐ Mirrored Extent

Reverse Direction

OK Cancel Preview



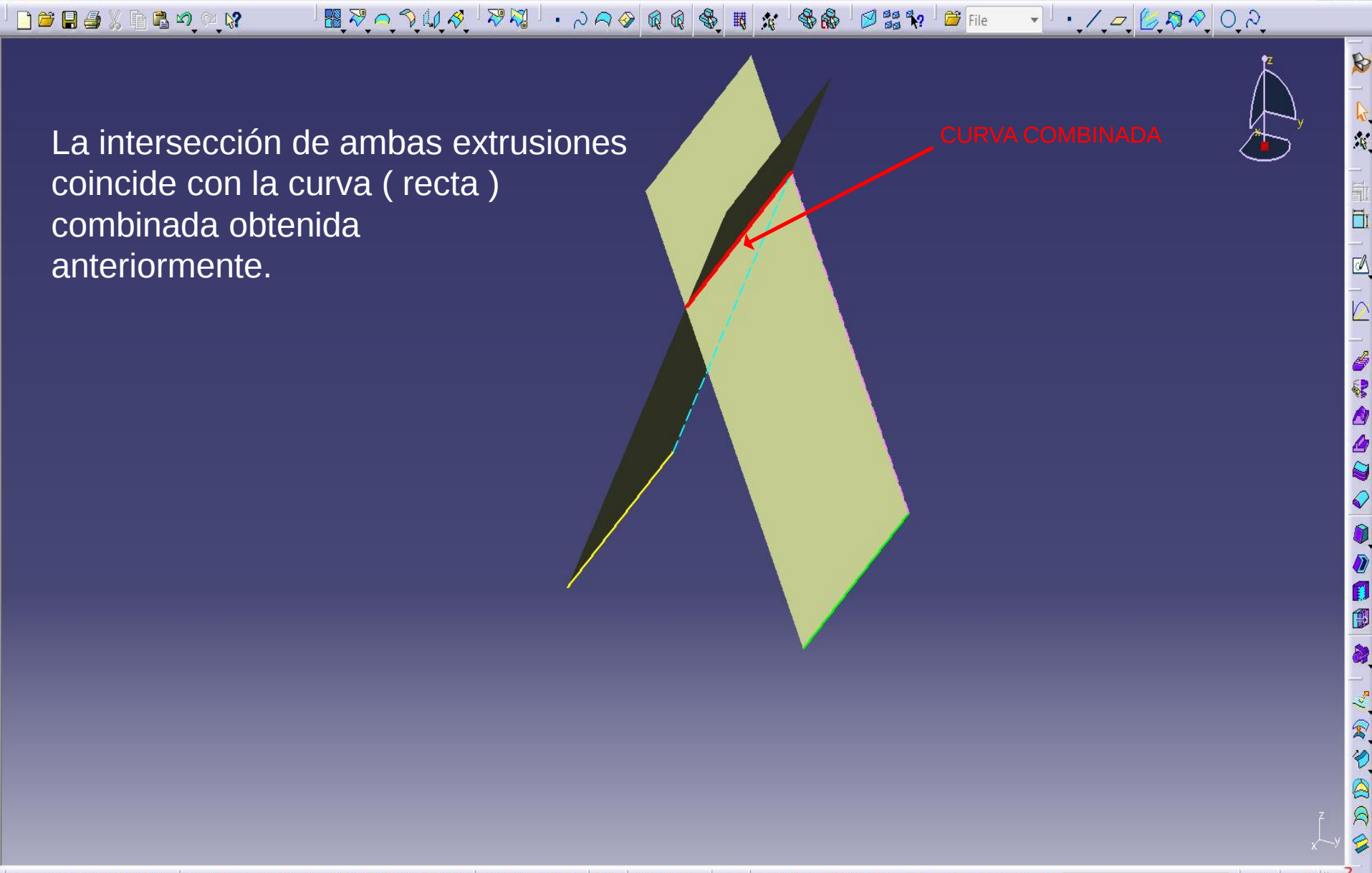
y la L2 a través de D2



Created features are inserted in tree

c:Insert Mode 150mm;0mm

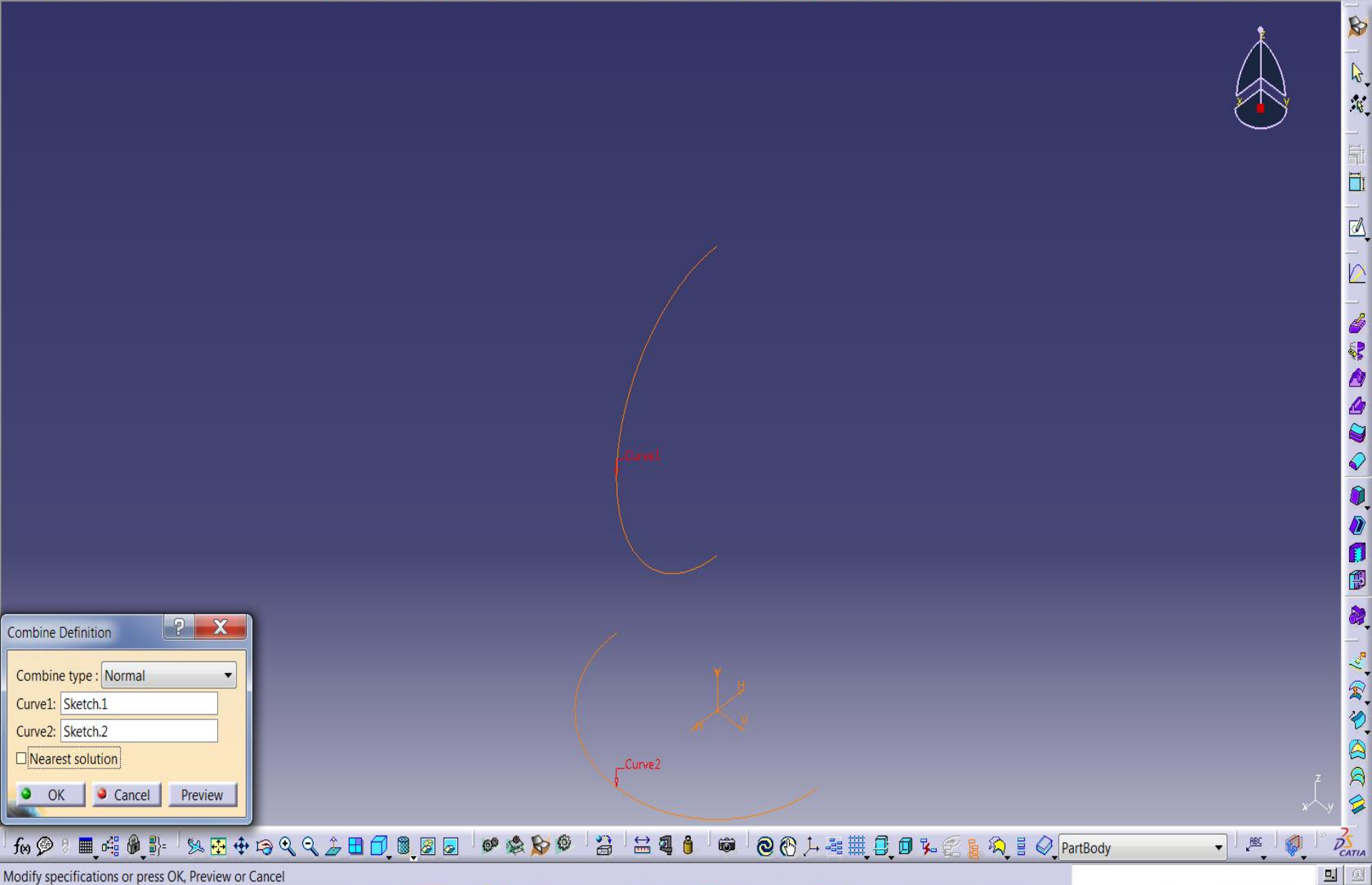




La intersección de ambas extrusiones coincide con la curva (recta) combinada obtenida anteriormente.

CURVA COMBINADA

PROYECCIONES COMBINADAS NORMALES



Combine Definition

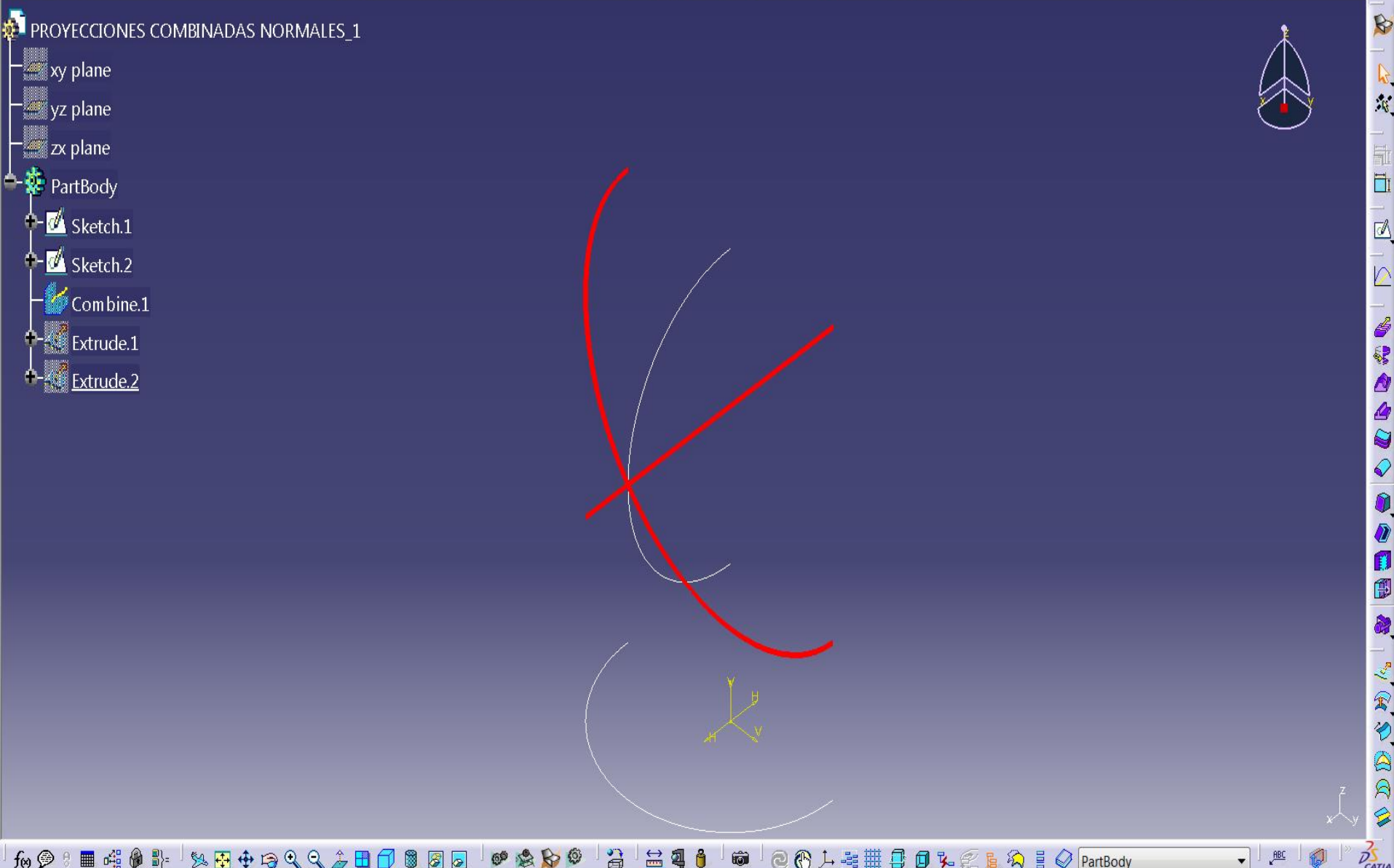
Combine type: Normal

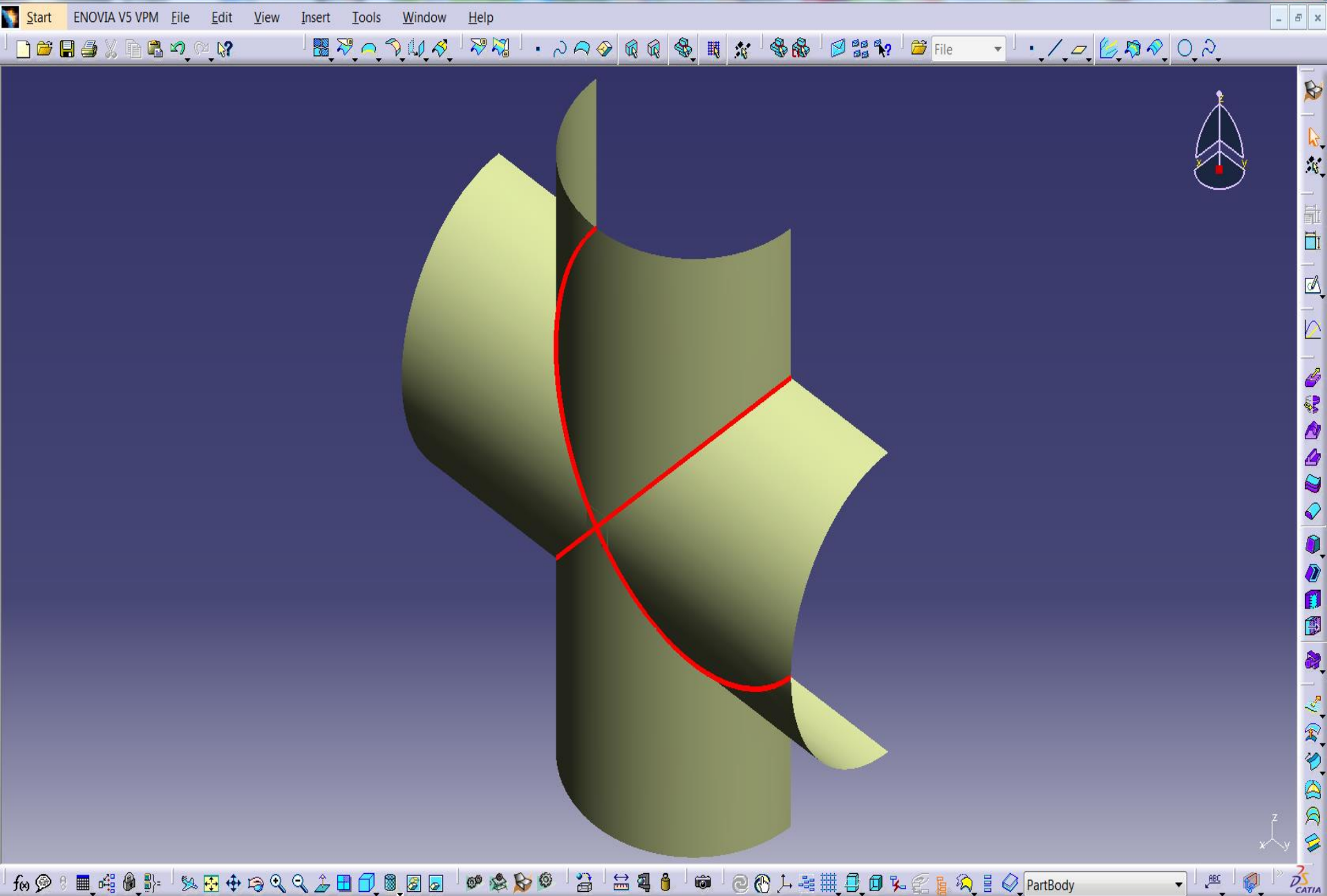
Curve1: Sketch.1

Curve2: Sketch.2

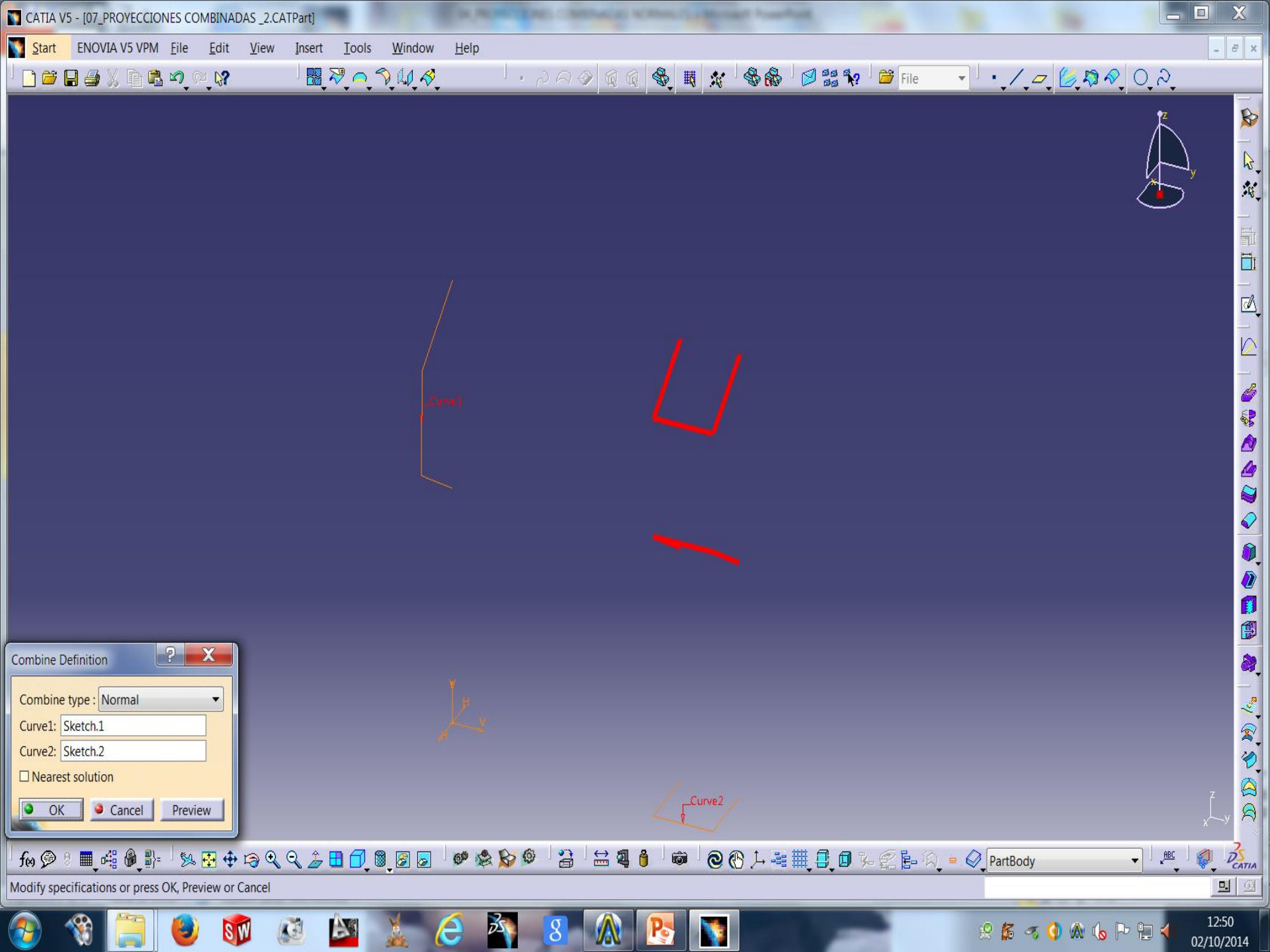
☐ Nearest solution

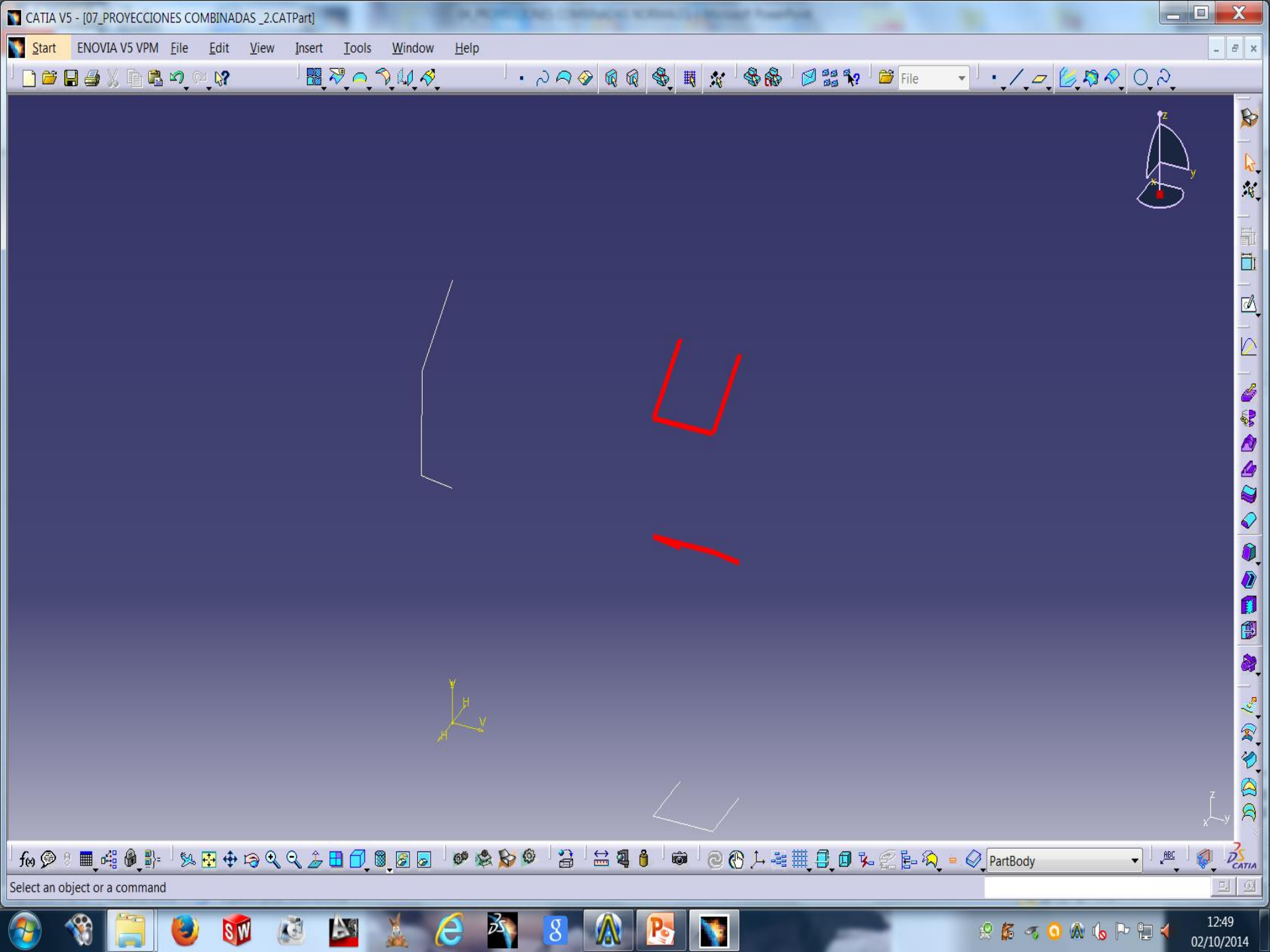
OK Cancel Preview

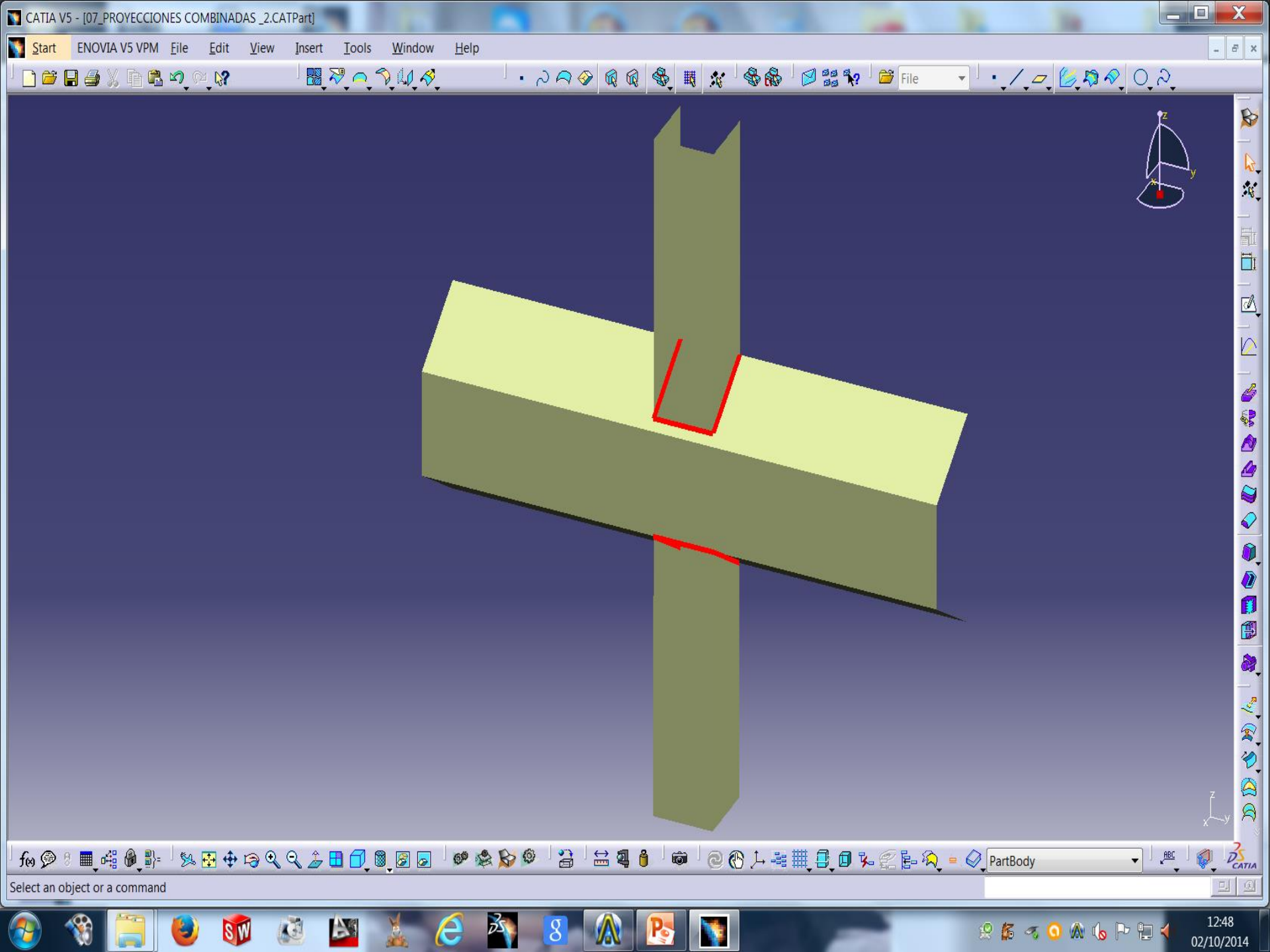


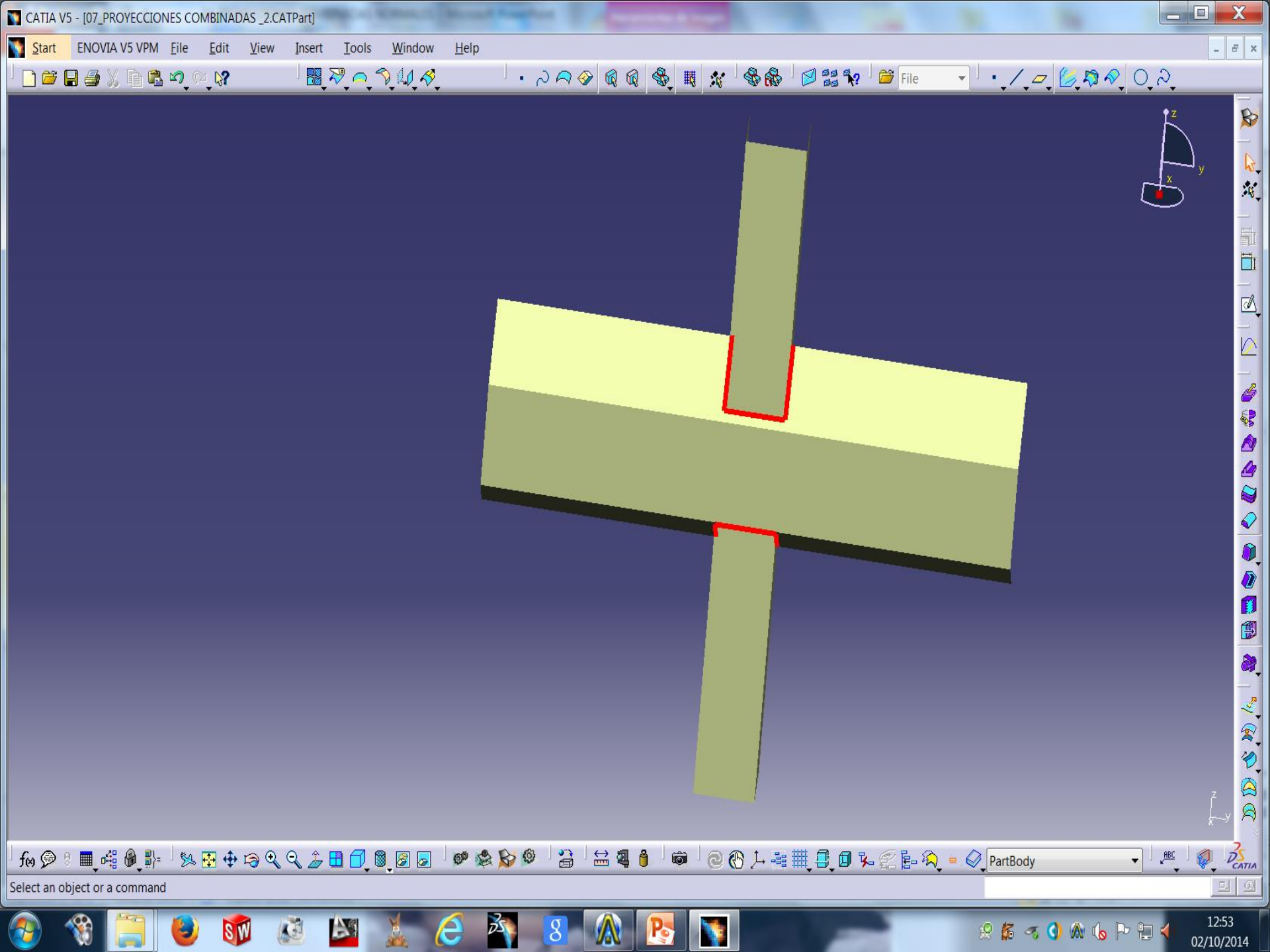


Select an object or a command

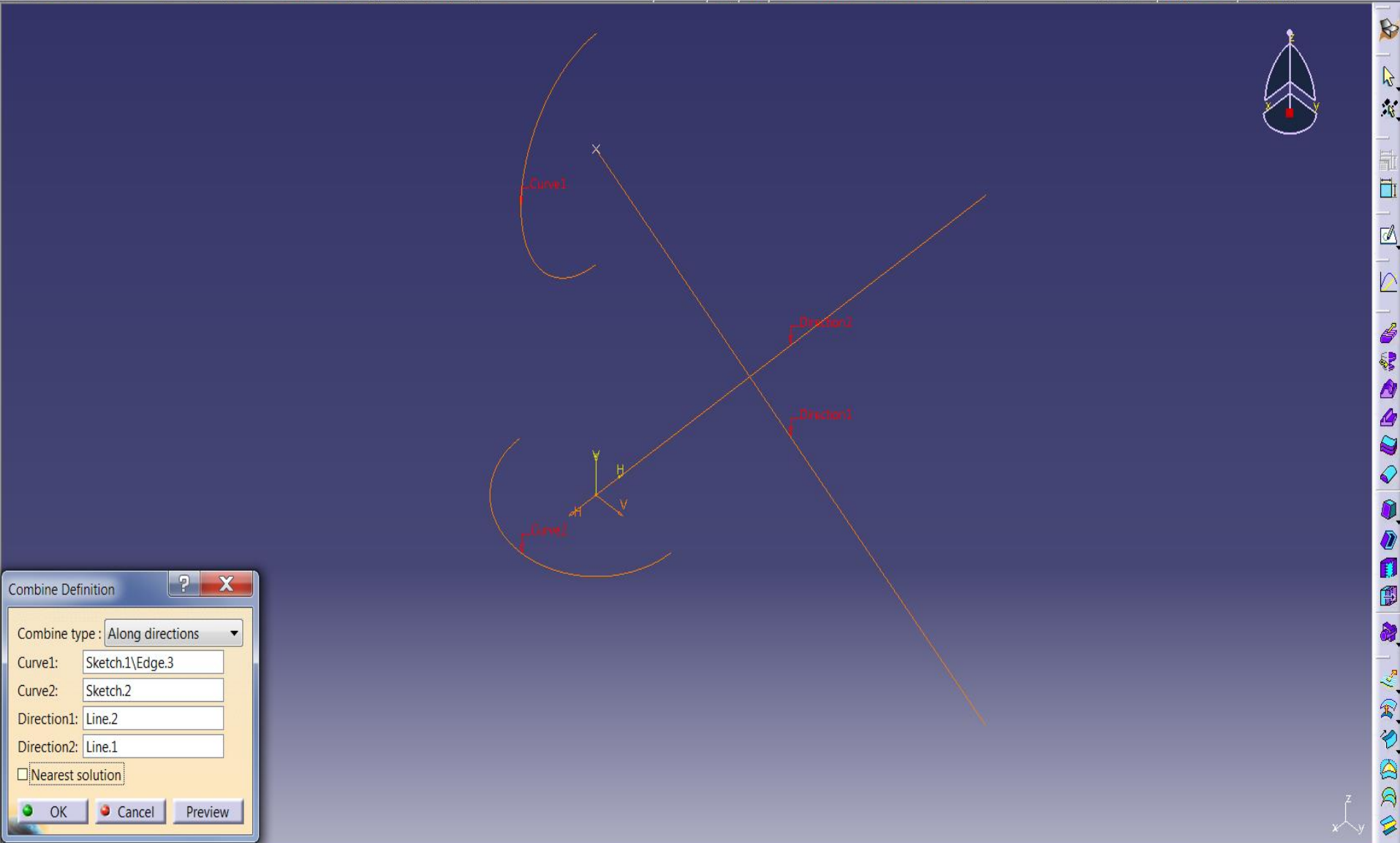








**PROYECCIONES
COMBINADAS
CON DIRECCION**



Combine Definition

Combine type: Along directions

Curve1: Sketch.1\Edge.3

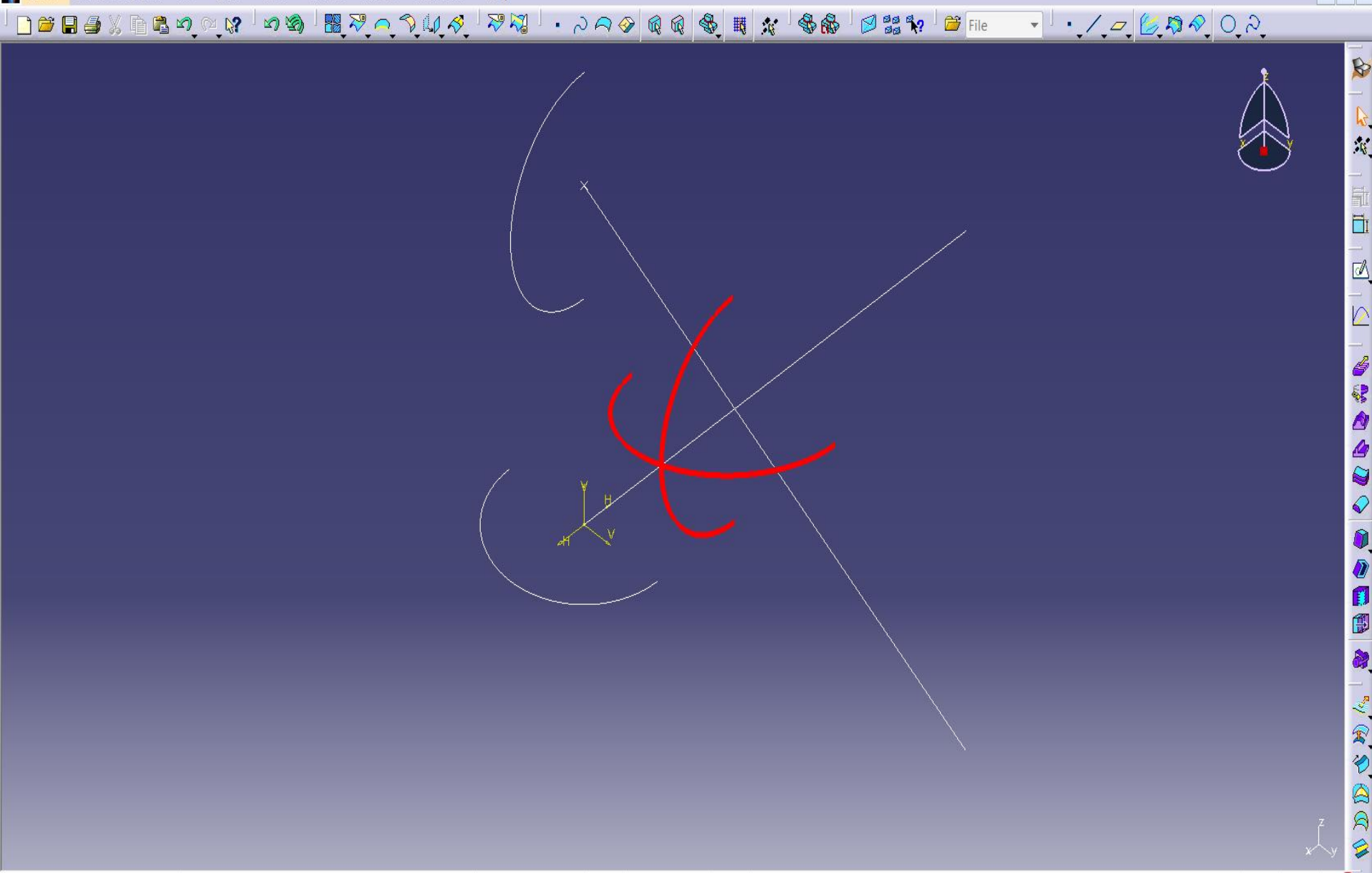
Curve2: Sketch.2

Direction1: Line.2

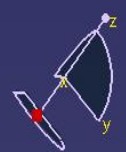
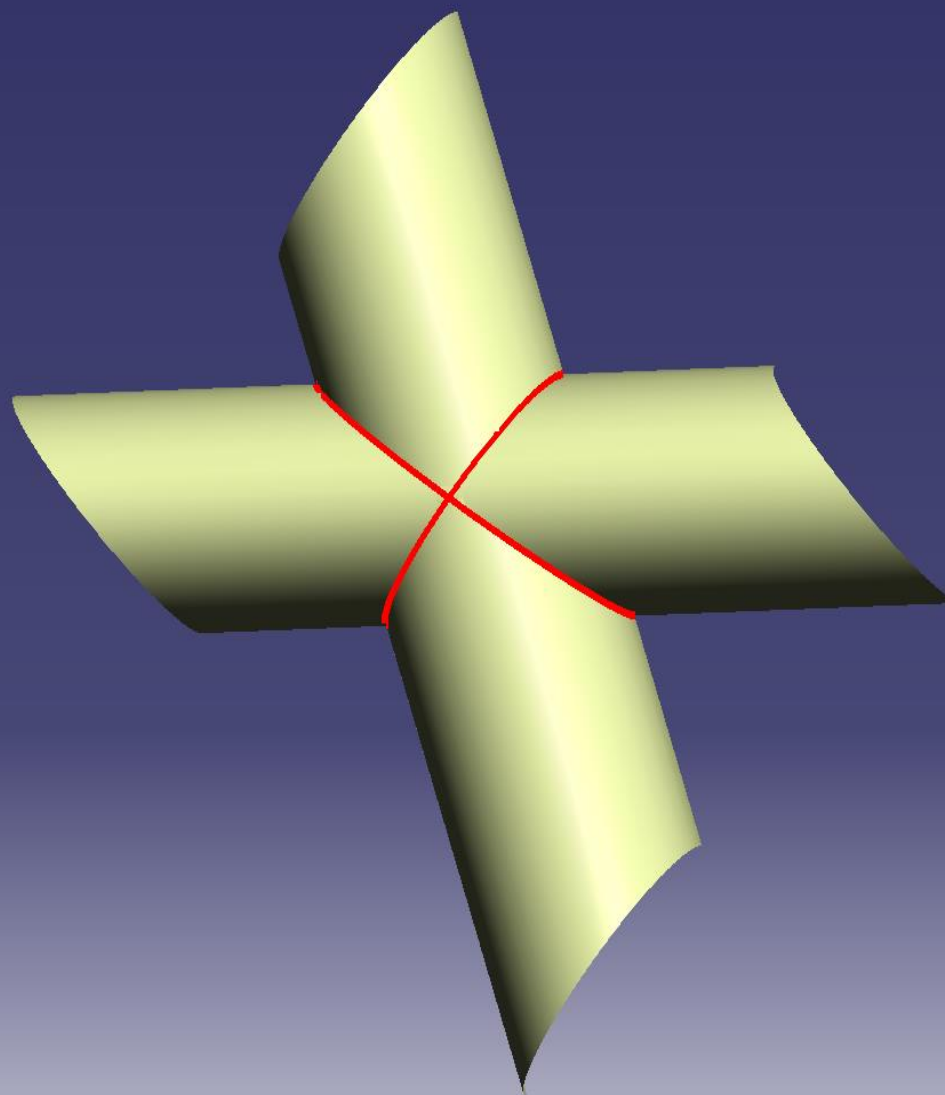
Direction2: Line.1

☐ Nearest solution

OK Cancel Preview



Select an object or a command



Select an object or a command

