CONTORNOS SOBRE SUPERFICIES

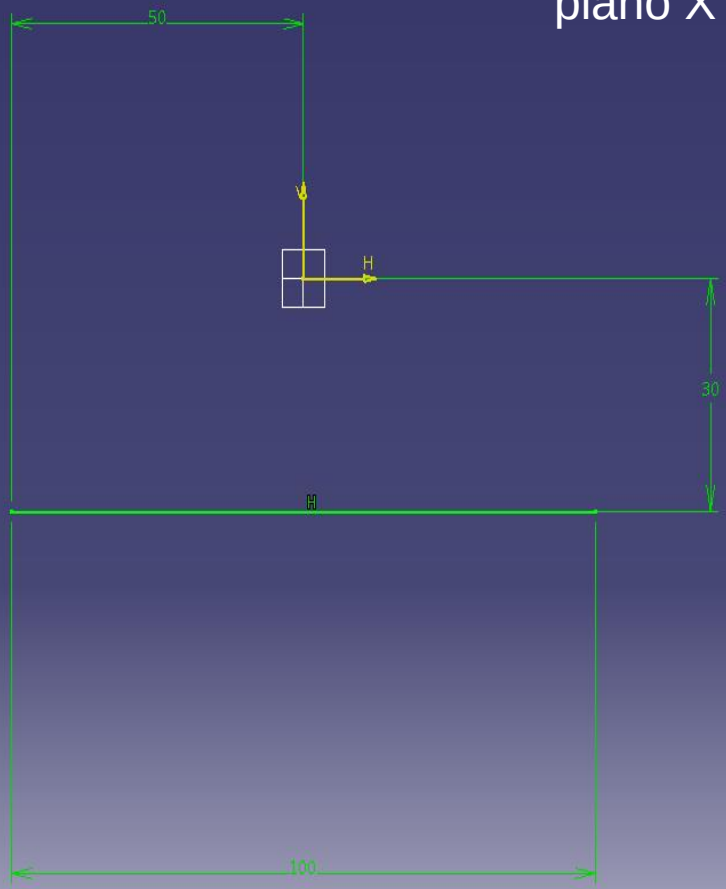
CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES

- xy plane
- yz plane
- zx plane
- PartBody
- Sketch.1

Sketch sobre el plano XY, salimos y



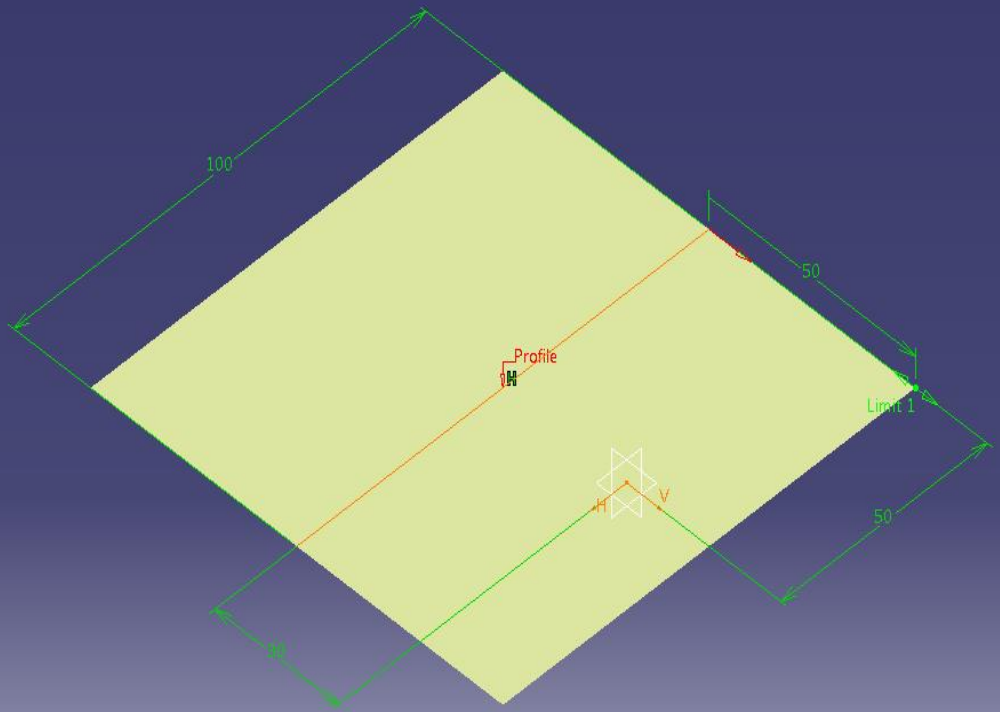
Select an object or a command

13:18
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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extruimos a 100 mm.



Extruded Surface Definition

Profile: Sketch.1

Direction: Y Component

Extrusion Limits

Limit 1

Type: Dimension

Dimension: 50mm

Limit 2

Type: Dimension

Dimension: 50mm

Mirrored Extent

Reverse Direction

OK Cancel Preview

PartBody

Press OK or modify data

Limit 1 Dimension 50mm

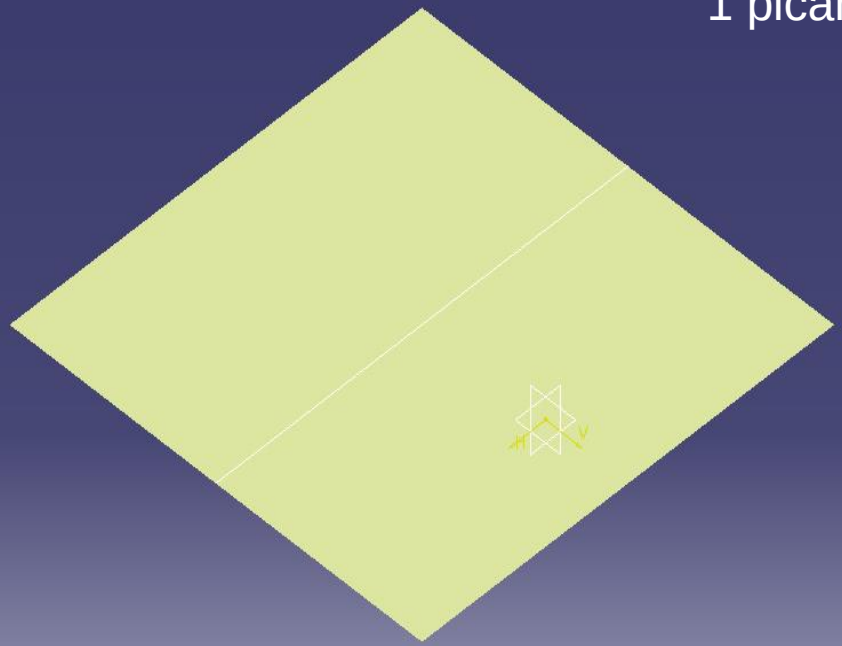
13:23
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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Para aplicar contornos cerrados sobre superficies

1 picamos este icono



Contour

PartBody

Creates Contour

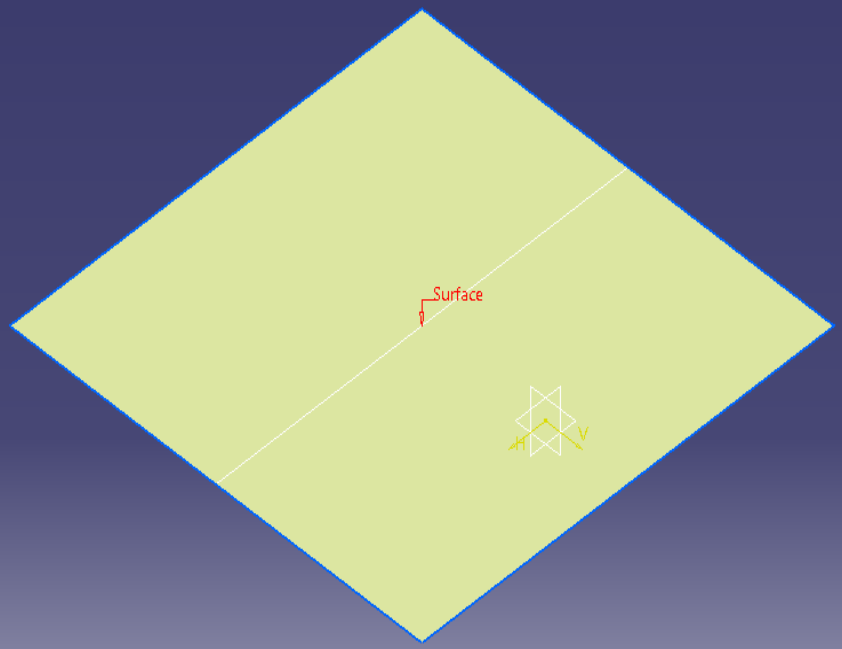
c:Contour

13:27
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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2 seleccionamos el contorno, en nuestro caso los cuatro lados del plano



Contour Definition

Surface: Extrude.1

No.	Curves
1	Extrude.1\Edge.1
2	Extrude.1\Edge.2
3	Extrude.1\Edge.3
4	Extrude.1\Edge.4

AddAfter AddBefore Replace Remove

Extrapolation distance: 0,003mm

OK Cancel Preview

PartBody

Select the curves to create the contour.

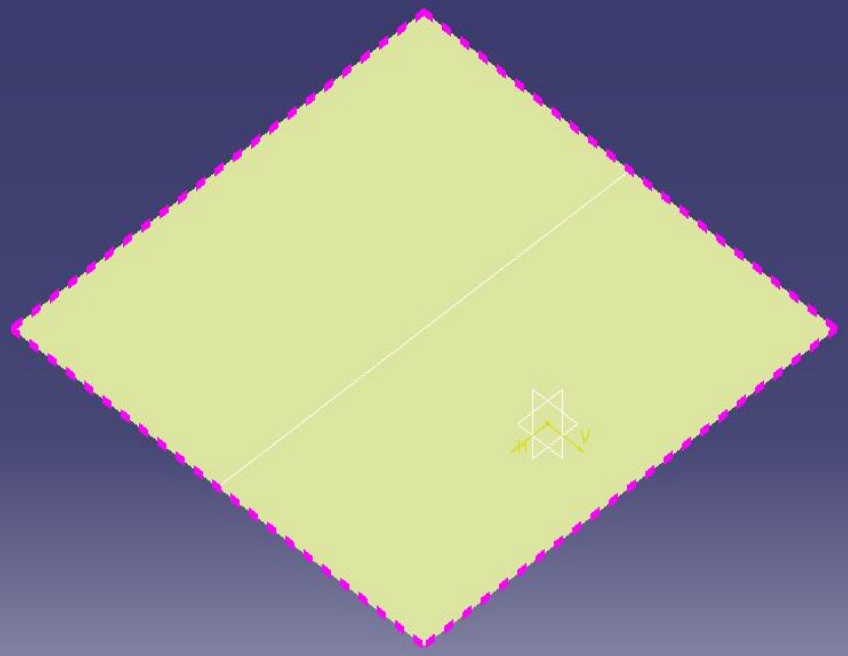
Spinner 0,003mm

13:28
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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3 Al darle OK nos queda



PartBody

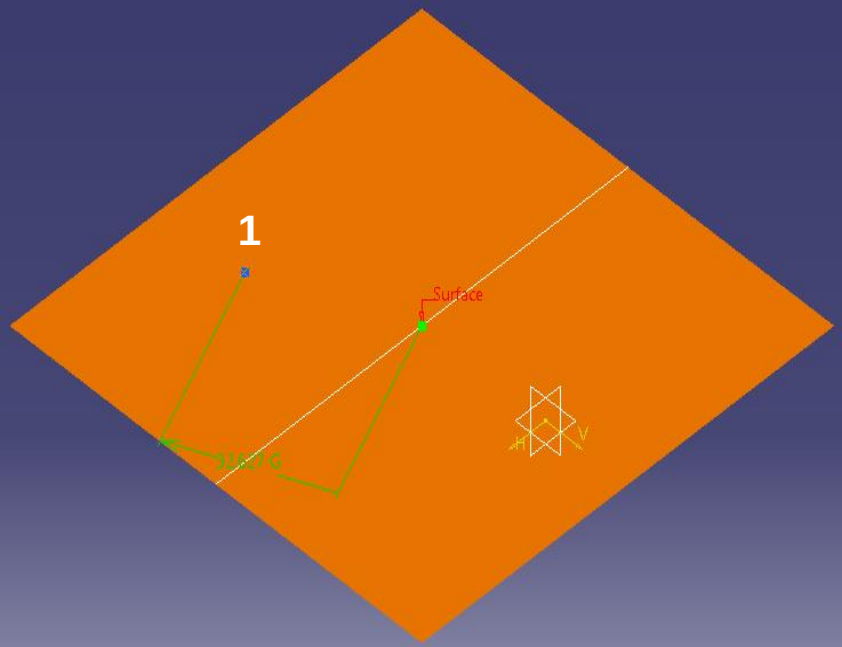
Select an object or a command

13:29
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

Vamos a seleccionar cuatro puntos cualesquiera del plano soporte



Point Definition

Point type: On surface

Surface: Extrude.1

Direction: Components

Distance: 32,627mm

Reference

Point: Default (Middle)

Dynamic positioning

Coarse Fine

OK Cancel Preview

PartBody

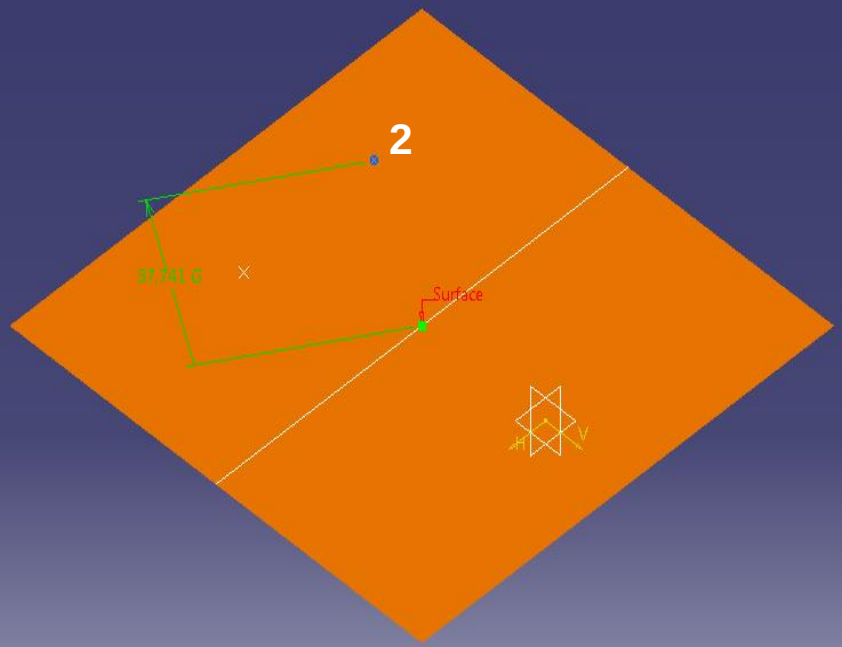
Click to set current point on surface or select a reference point

Distance 32,627mm

16:34
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help



Point Definition

Point type: On surface

Surface: Extrude.1

Direction: Components

Distance: 37,741mm

Reference

Point: Default (Middle)

Dynamic positioning

Coarse Fine

OK Cancel Preview

PartBody

Click to set current point on surface or select a reference point

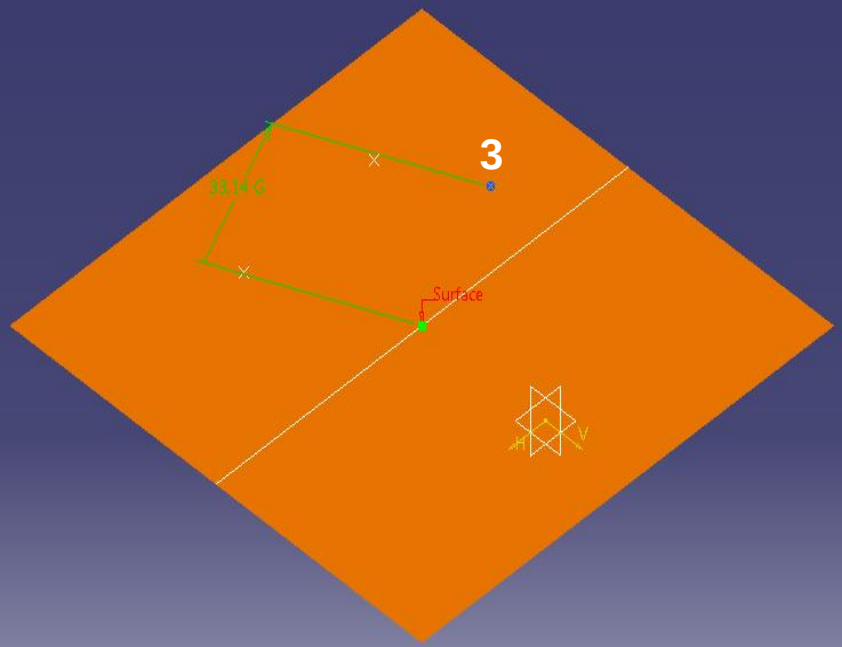
Distance 37,741mm

miércoles, 08 de octubre de 2014

16:35
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help



Point Definition

Point type: On surface

Surface: Extrude.1

Direction: Components

Distance: 33,14mm

Reference

Point: Default (Middle)

Dynamic positioning

Coarse Fine

OK Cancel Preview

PartBody

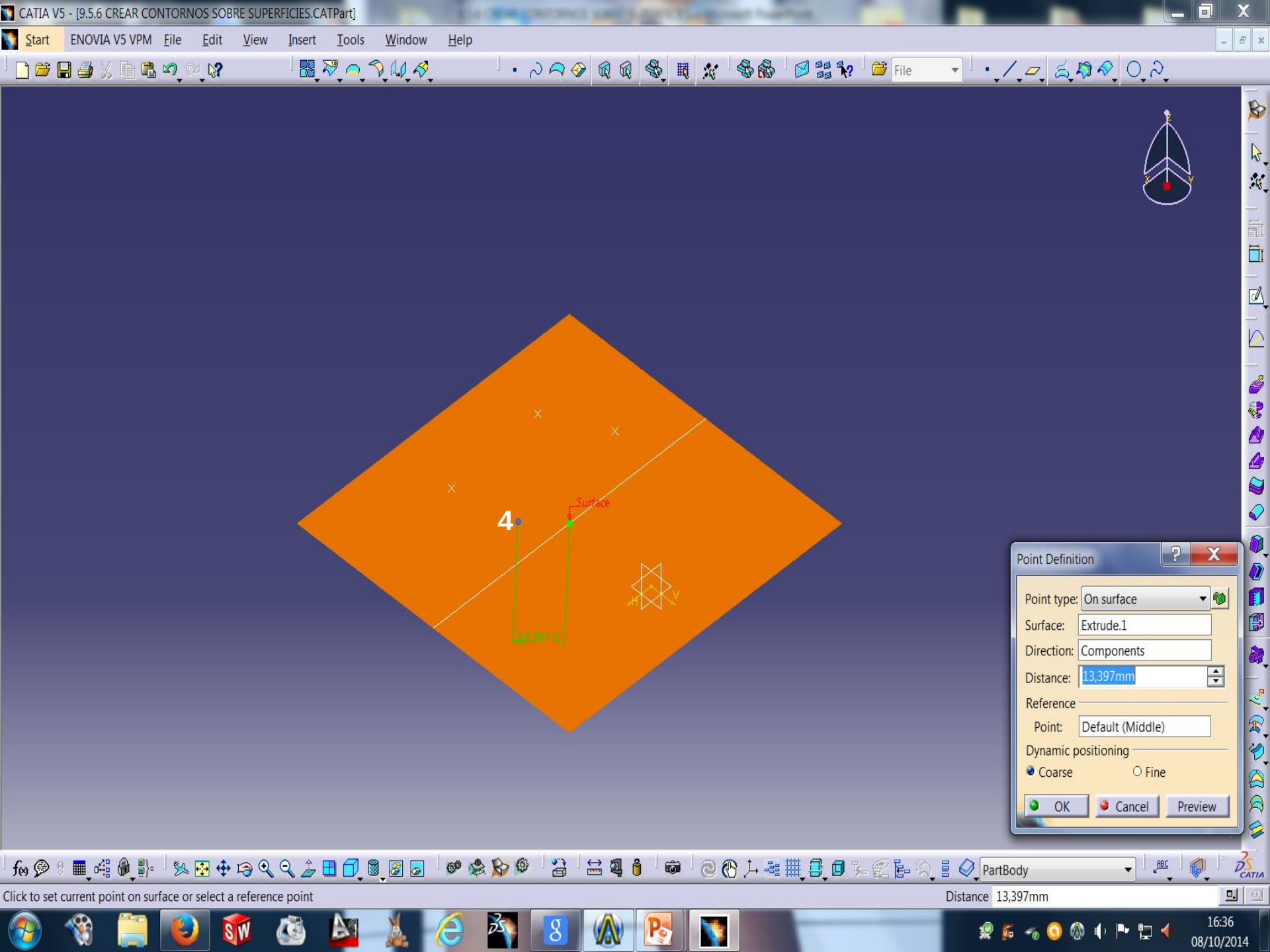
Click to set current point on surface or select a reference point

c:Z:Distance 33,14mm

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08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

Start ENOVIA V5 VPM File Edit View Insert Tools Window Help

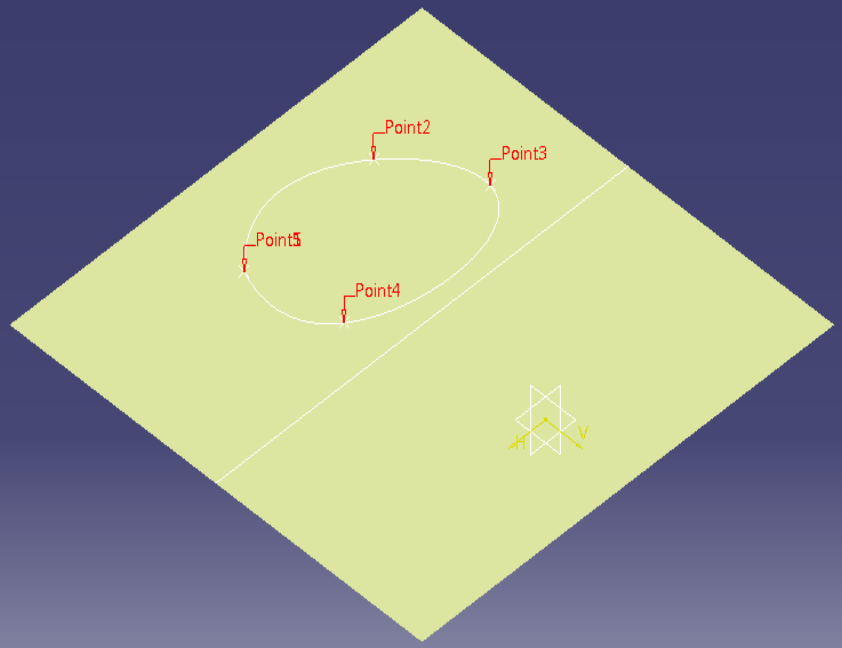


Click to set current point on surface or select a reference point

Distance 13,397mm

16:36
08/10/2014

que uniremos con una curva spline ***CERRADA***; pues si la curva está abierta, el comando ***CONTOUR*** no funciona.



Spline Definition

No	Points	Tangents Dir.	Tensions	Curvature Dir.	Curvatu
1	Point.1				
2	Point.2				
3	Point.3				
4	Point.4				
5	Point.1				

Add Point After Add Point Before Replace Point

Geometry on support No selection

Close Spline

Remove Point Remove Tgt. Reverse Tgt. Remove Cur.

Show parameters >>

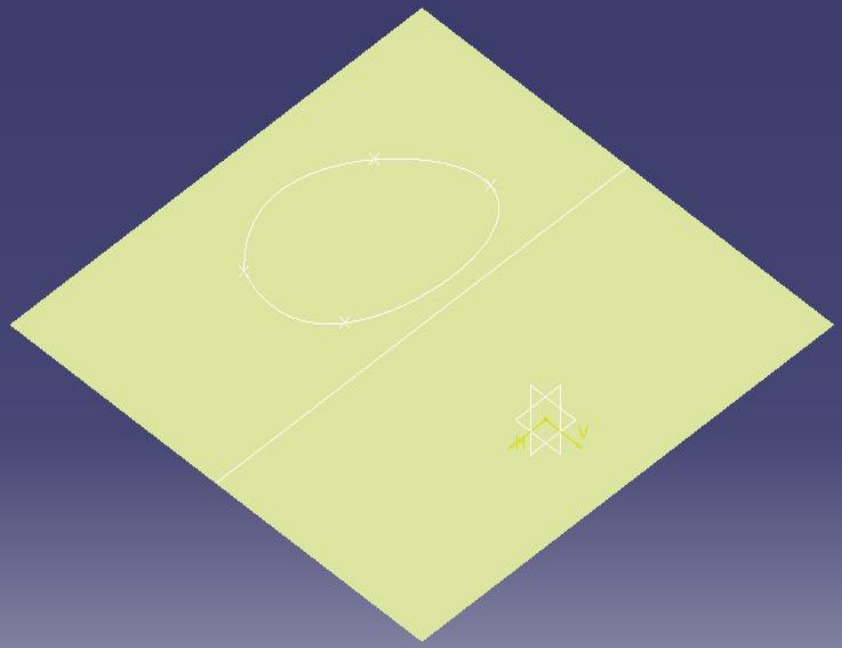
OK Cancel Preview

Select a point or a direction (line or plane) or a curve

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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Al aplicar a esta curva



PartBody

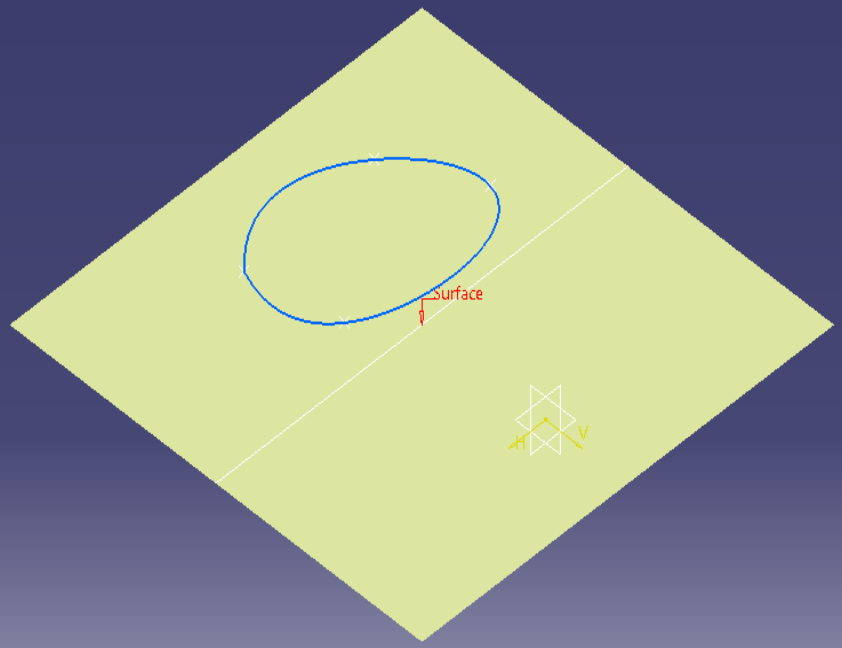
Select an object or a command

16:54
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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el comando *Contour*



Contour Definition

Surface: Extrude.1

No.	Curves
1	Spline.1

AddAfter AddBefore Replace Remove

Extrapolation distance: 0,003mm

OK Cancel Preview

Select the curves to create the contour.

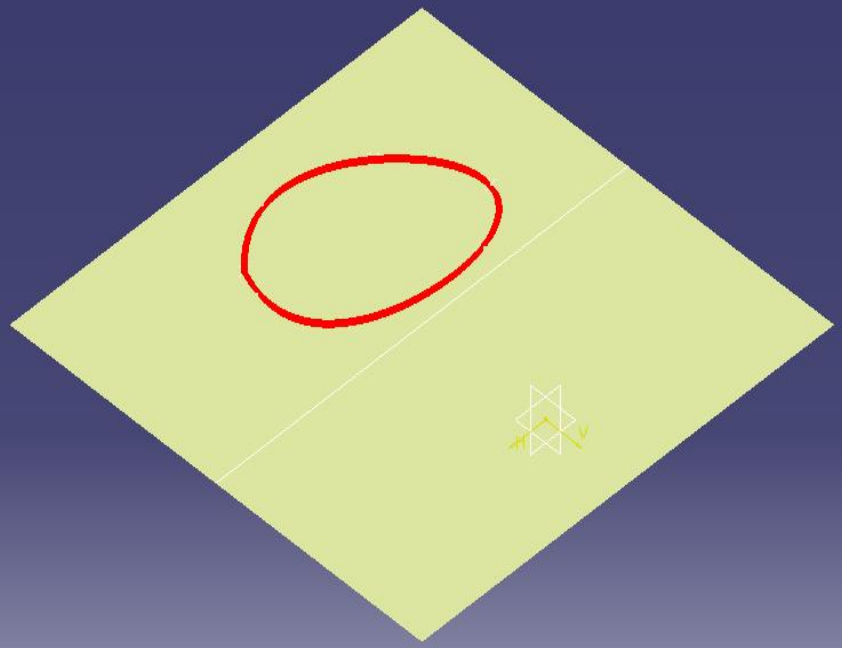
Spinner 0,003mm

16:55
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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nos queda



PartBody

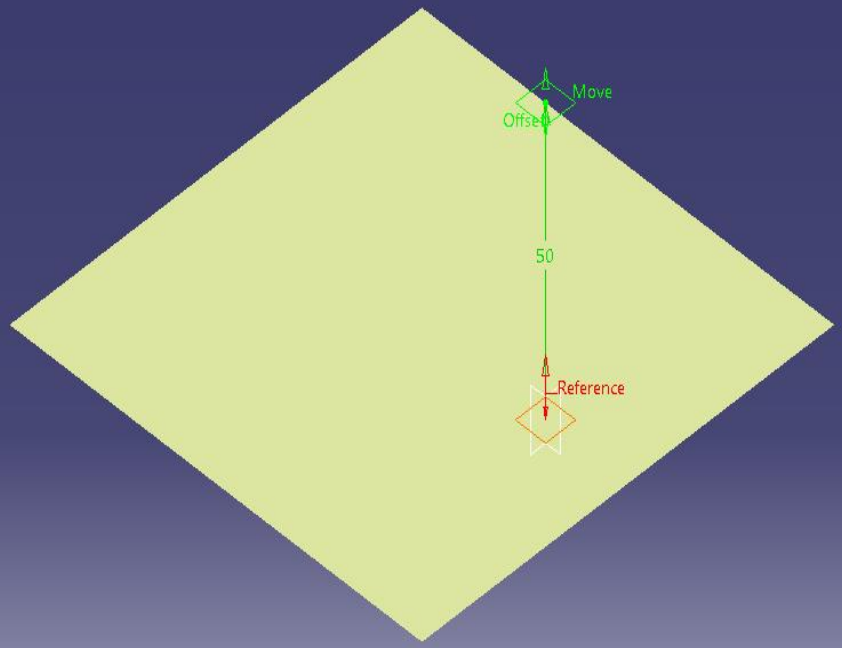
Select an object or a command

16:55
08/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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Plano paralelo al XY 50 mm.



Plane Definition

Plane type: Offset from plane

Reference: xy plane

Offset: 50mm

Reverse Direction

Repeat object after OK

OK Cancel Preview

PartBody

Press OK when completed

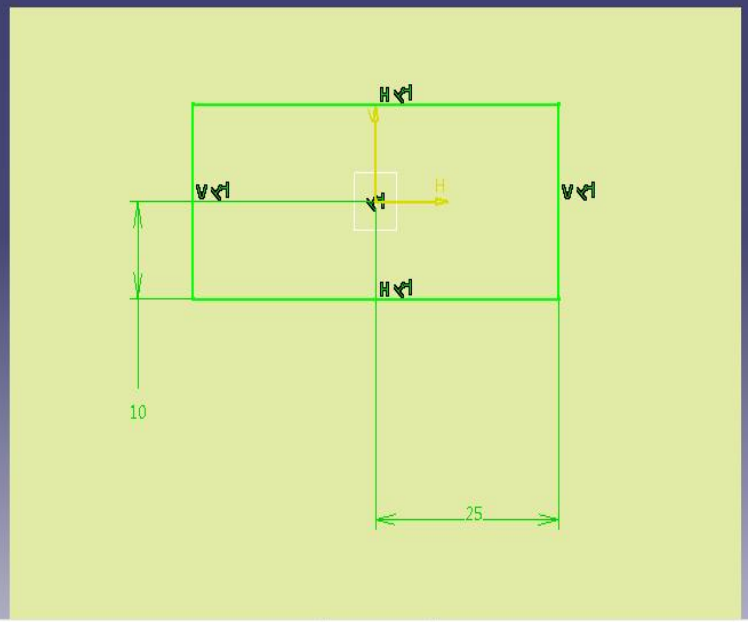
Offset 50mm

9:22
09/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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Si abrimos un sketch sobre él, y dibujamos un rectángulo,



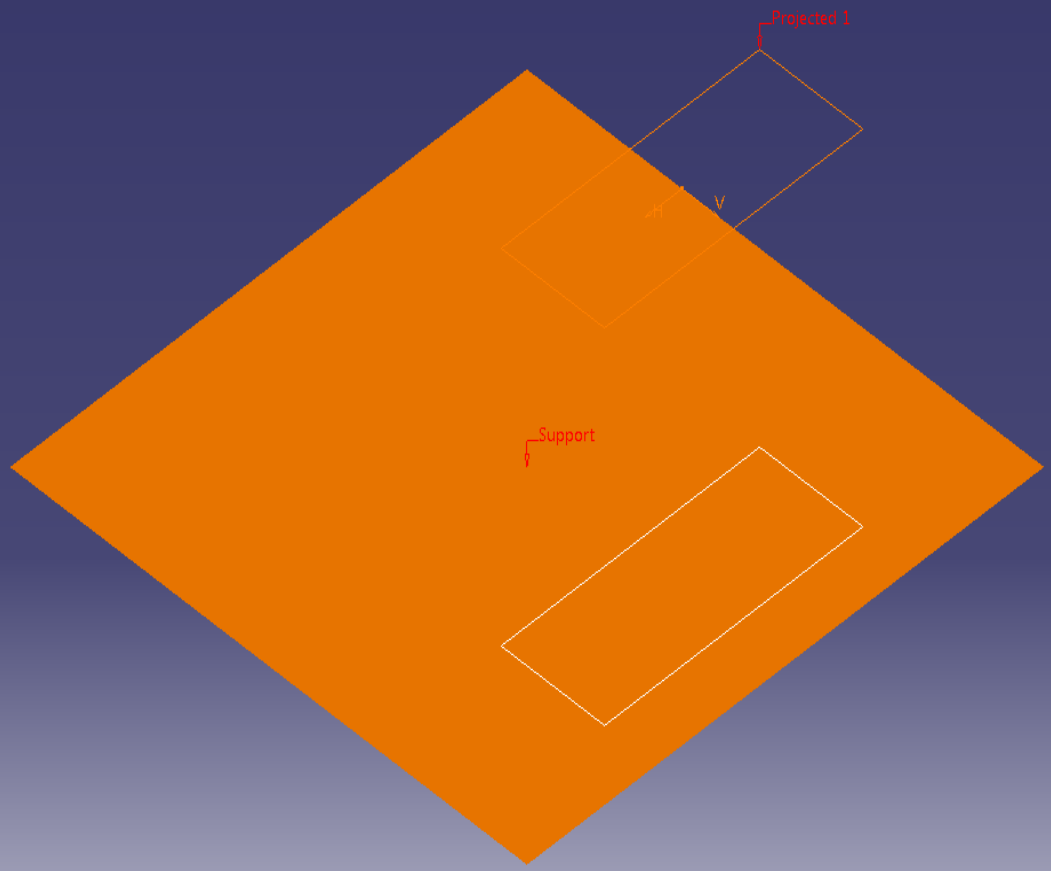
Select an object or a command

9:26
09/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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podremos proyectarlo



Tools Palette

Projection Definition

Projection type : Normal

Projected: Sketch.2

Support: Extrude.1

Nearest solution

Smoothing

None Tangency Curvature

OK Cancel Preview

PartBody

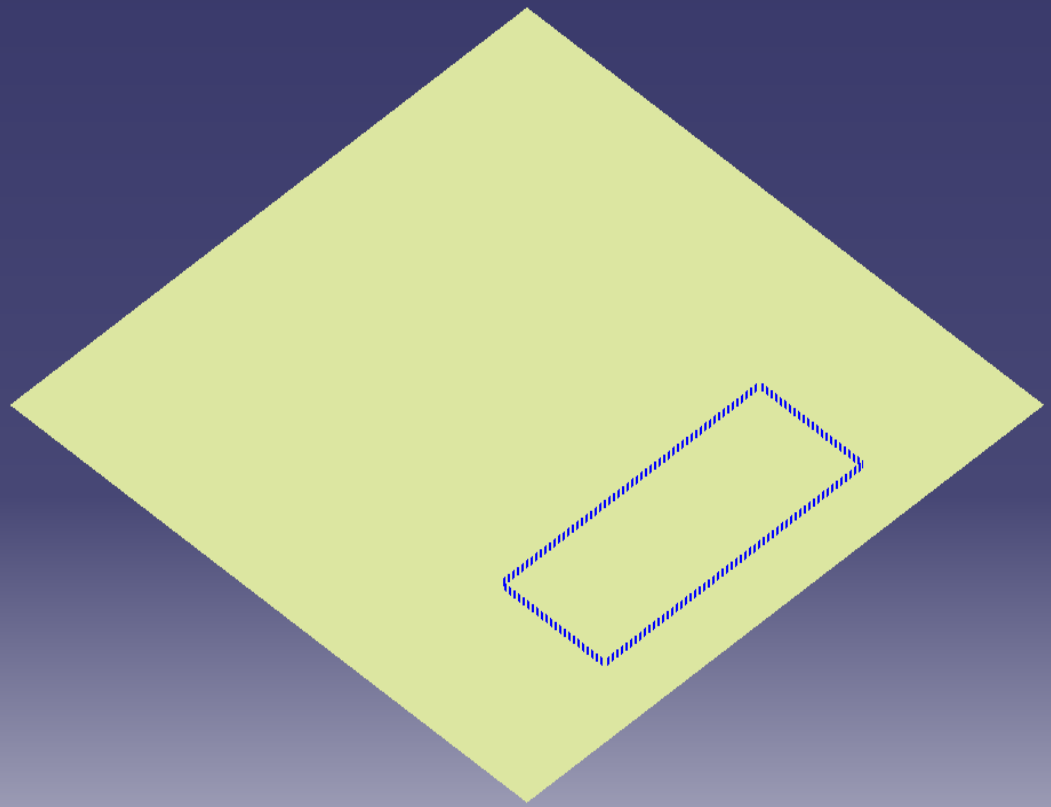
Select the point or curve to be projected

9:37
09/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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sobre el plano soporte



PartBody

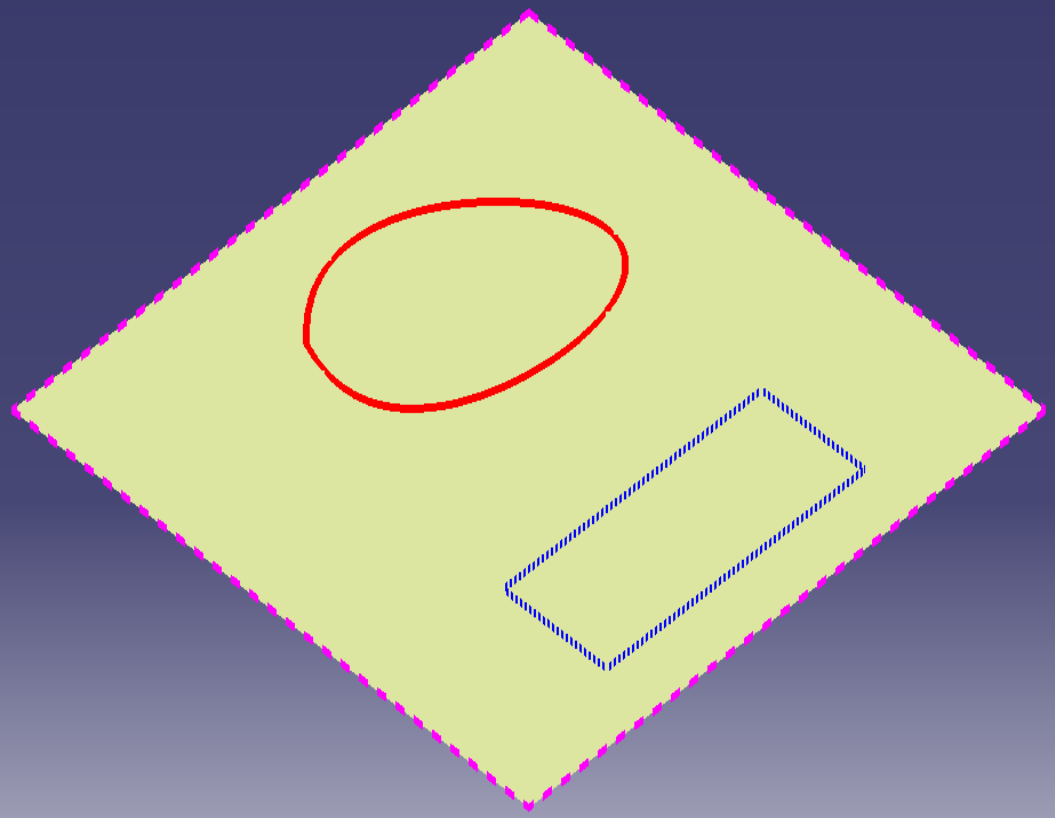
Select an object or a command

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09/10/2014

CATIA V5 - [9.5.6 CREAR CONTORNOS SOBRE SUPERFICIES.CATPart]

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visualizando todos los contornos tenemos



PartBody

Select an object or a command

9:39
09/10/2014

F I N