



Creación de superficies.(continuación)

En la siguiente práctica se desarrollará el siguiente modelo.

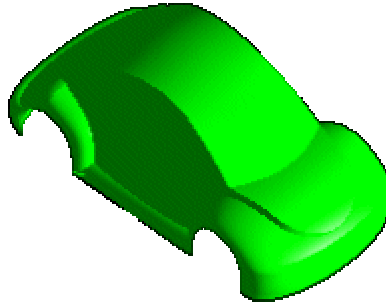


Fig. 1 Modelo Propuesto: Creación de superficies.

Se crearán las superficies en la capa (layer) 2.

<Layer> <Settings...>

<Layer Settings>

[Surface Make Work]

[**Top Selectable**]

[Ok]

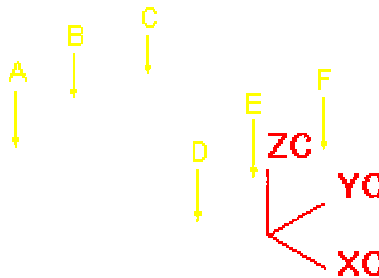


Figura 2

Para crear una superficie

<insert> <Free Form Feature...>

<Through Curves>

Select section string #1

Seleccionar A (Figura 2)

[Ok]

Select section string #2

Seleccionar B (Figura 2)

[Ok]

Select section string #3

Seleccionar C (Figura 2)

[Ok]

[Ok]



[Create]

[Ok]

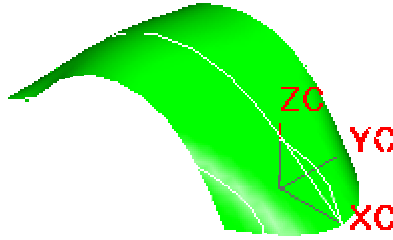


Figura 3

Select section string #1

Seleccionar D (Figura 2)

[Accept]

[Ok]

[Ok]

Select section string #2

Seleccionar E (Figura 2)

[Accept]

[Ok]

[Ok]

Select section string #3

Seleccionar F (Figura 2)

[Ok]

[Ok]

[Create]

[Ok]

[Cancel]

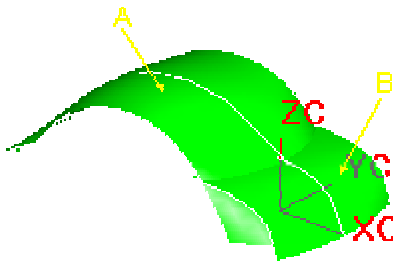


Figura 4

Ahora se han creado dos superficies que se encuentran sobrepuestas. Se realizará un corte para crear una superficie continua.



<insert> <Free Form Feature...>
<Trimmed Sheet>

Select target sheet body

Seleccionar A (figura 4)

[Ok]

Select trimming objects

Seleccionar B (figura 4)

[Ok]

Select region to retain or discard



Seleccionar A (figura 4)

[Apply]

Mantenga activo el comando <**Trimmed Sheet**> para cortar la otra superficie.

Select target sheet body

Seleccionar t B (figura 4)

[Ok]

Select trimming objects

Seleccionar A (figura 4)

[Ok]

Select region to retain or discard



Seleccionar B (figura 4)

[Apply]

[Cancel]

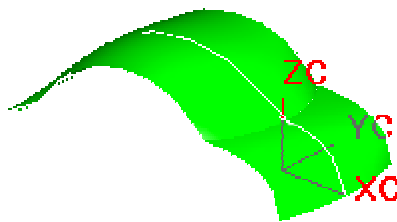


Figura 5

Ahora se trabajará con la parte media del modelo. Para ello se debe desactivar la capa **Top** haciendo invisible y se activará la capa **Side**.

<Layer> < Settings...>

[Top Invisible]

[Side Selectable]

[Ok]

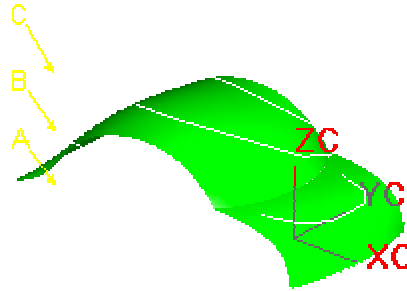


Figura 6

<insert> <Free Form Feature...>

<Through Curves>

Select section string #1

Seleccionar A (Figura 6)

[Ok]

Select section string #2

Seleccionar B (Figura 6)

[Ok]

Select section string #3

Seleccionar C (Figura 6)

[Ok]

[Ok]

[create]

[Ok][Cancel]

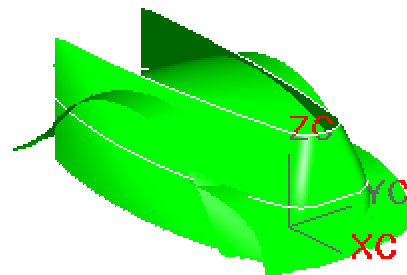


Figura 7

<Layer> <Settings...>

<Layer Settings>

[Side Invisible]

[Rear Selectable]

[OK]

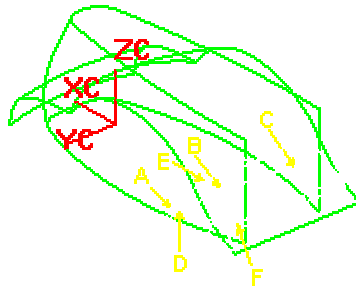


Figura 8

<insert> <Free Form Feature...>

<Swept>

Select Guide String #1

Seleccionar A (Figura 8)

[Ok]

Select Guide String #2

Seleccionar B (Figura 8)

[Ok]

Select Guide String #3

Seleccionar C (Figura8)

[Ok]

[Ok]

Select Section String #1

Seleccionar D (Figura 8)

[Ok]

Select Section String #2

Seleccionar E (Figura 8)

[Ok]

Select Section String #3

Seleccionar F (Figura 8)

[Ok]

[Ok]

[Linear]

[Ok]

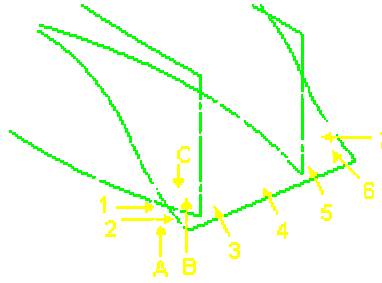
Tolerance =0.05

[Ok]

[Create]

[Ok]

[Cancel]

**Figura 9**

<insert> <Free Form Feature...>

<Through Curves Mesh>

Select Primary String #1

Seleccionar A (Figura 9)

[Ok]

Select Primary String #2

Seleccionar B (Figura 9)

[Ok]

Select Primary String #3

Seleccionar C (Figura 9)

[Ok]

[Ok]

Select Section String #1

Seleccionar 1 (Figura 9)

[Ok]

Select Section String #2

Seleccionar 2 (Figura 9)

[Ok]

Select Section String #3

Seleccionar 3 (Figura 9)

[Ok]

Select Section String #4

Seleccionar 4 (Figura 9)

[Ok]

Select Section String #5

Seleccionar 5 (Figura 9)

[Ok]

Select Section String #6

Seleccionar 6 (Figura 9)

[Ok]

Select Section String #7

Seleccionar 7 (Figura 9)

[Ok]

[Ok]



[Linear]
 [Ok]
 Tolerance =0.05
 [Ok]
 [Create]
 [Ok]
 [Cancel]

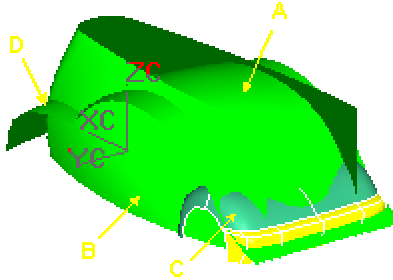


Figura 10

<insert><Free Form Feature...>
 <Trimmed Sheet>
 Select target sheet body
Seleccionar B (figura 10)
 [Ok]
 Select trimming objects
Seleccionar A y D (figura 10)
 [Ok]
 Select region to retain or discard



Seleccionar B (figura 10)

[Apply]
 Select target sheet body
Seleccionar A (figura 10)

[Ok]
 Select trimming objects
Seleccionar B y C (figura 10)

[Ok]
 Select region to retain or discard



Seleccionar A (figura 10)

[Apply]
 Select target sheet body
Seleccionar D (figura 10)

[Ok]
 Select trimming objects
Seleccionar A (figura 10)

[Ok]
 Select region to retain or discard



Seleccionar D (figura 10)

[Apply]

<Layer>< Settings...>

[Rear Invisible]

[Front Selectable]

[Ok]

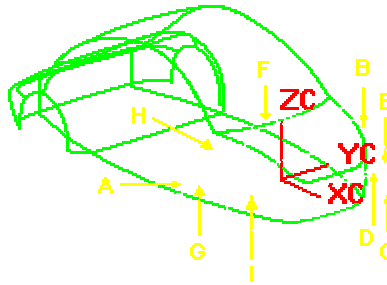


Figura 11

<insert><Free Form Feature...>

<Swept>

Select Guide String #1

Seleccionar A (Figura 11)

[Ok]

Select Guide String #2

Seleccionar B (Figura 11)

[Ok]

[Ok]

Select Section String #1

Seleccionar C (Figura 11)

[Ok]

Select Section String #2

Seleccionar D (Figura 11)

[Ok]

Select Section String #3

Seleccionar E (Figura 11)

[Ok]

[Ok]

[Linear]

[Ok]

Tolerance =0.05

[Ok]

[Create]

[Ok]

[Cancel]



Crear una superficie de la misma manera.

<insert><Free Form Feature...>

<Swept>

Select Guide String #1

Seleccionar A (Figura 11)

[Ok]

Select Guide String #2

Seleccionar F (Figura 11)

[Ok]

[Ok]

Select Guide String #3

Seleccionar B (Figura 11)

[Ok]

[Ok]

Select Section String #1

Seleccionar G (Figura 11)

[Ok]

Select Section String #2

Seleccionar H (Figura 11)

[Ok]

Select Section String #3

Seleccionar I (Figura 11)

[Ok]

[Ok]

[Linear]

[Ok]

Tolerance =0.05

[Ok]

[Create]

[Ok]

[Cancel]

Hacer la capa **Front** invisible después de crear las superficies.

<Layer> <Settings...>

<Layer Settings>

[Front Invisible]

[OK]

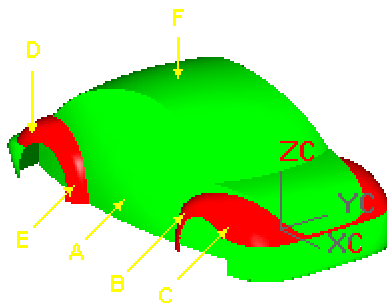


Figura 12



Utilizar la superficie del frente y la parte trasera como borde de corte para cortar la superficie lateral.

<insert> <Free Form Feature...>

<Trimmed Sheet>

Select target sheet body

Seleccionar A (figura 12)

[Ok]

Select trimming objects

Seleccionar B, C, D, y E (figura 12)

[Ok]

Select region to retain or discard



Seleccionar A (figura 12)

[Apply]

Select target sheet body

Seleccionar C (figura 12)

[Ok]

Select trimming objects

Seleccionar A (figura 12)

[Ok]

Select region to retain or discard



Seleccionar C (figura 12)

[Apply]

Select target sheet body

Seleccionar D (figura 12)

[Ok]

Select trimming objects

Seleccionar A and F (figura 12)

[Ok]

Select region to retain or discard



Seleccionar D (figura 12)

[Apply]

[Ok]