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PTC Product Focus

Pro/Engineer Wildfire

EASE OF USE

Model with Speed. PTC listened to our users and set the standard in usability.

After listening to hundreds of experienced Pro/ENGINEER users representing every role of the product development cycle, we've worked hard to enhance Pro/ENGINEER Wildfire functionality to make your job easier. All changes to the features were made with two goals in mind: Give new users learning tools through the Dashboard, and let experienced users model faster through Direct Modeling. Best of all, you can choose between Dashboard and Direct Modeling as often as you like.

Direct Modeling - Work on the model, not on menus

So you want speed? Direct Modeling is the method for you. The advantage behind Direct Modeling is stated in its name - work directly on the model. No more dialog boxes. Mouse travel is minimized because all the interaction is directly on the model itself.

The Dashboard - Guiding you every step of the way

New to Pro/ENGINEER? Or trying a new and complicated feature? You've come to the right place. The Dashboard is specifically designed to guide you where you need to go and tell you what to do. The most common functionality you need is immediately available. And, the advanced capabilities are there whenever you need them through slide panels; otherwise they're out of the way.

NEW DESIGN CAPABILITIES LIKE WARP

Today, you need to design products that look better, work better, and offer a better value for customers. Pro/ENGINEER Wildfire has the tools to easily meet this challenge. For instance, tools to perform Global Modeling using the WARP feature. With WARP, users twist, bend,

stretch and transform models to test real life "what if" design scenarios from within Pro/ENGINEER.

Interactive Surface Design

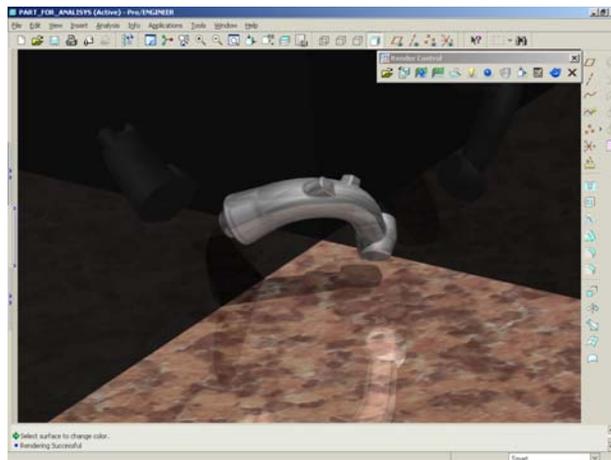
Go ahead and import fully scaleable trace sketches. Expose key parameters for easy modification and optimization. Make a change and watch the curve and surface networks automatically regenerate. Pro/ENGINEER Wildfire has you flying through styling-accomplishing in minutes the tasks that used to take hours.

Restyle: Accelerating Reverse Engineering

Restyle is a powerful interactive reverse engineering tool that lets you import data from 3D scanners and use that data as your model's starting point. Restyle then automates the process of turning a point cloud into a surface model, so you can quickly and easily modify that design to your own specifications.

Photorender® Capabilities: Real-Time Rendering with PhotoLux

Pro/ENGINEER Wildfire gives your whole production team-from manufacturing to marketing-a giant head start in portraying your product exactly how you envision it. With the new real-time rendering, you can see your model updating as you work, including all associative data such as reflections, shadows and more. The incorporation of PhotoLux into Pro/ENGINEER Wildfire introduces many new options including Ray tracing capability, stylized effects including fog, light scatter, and depth of field, and realistic photo techniques such as lens flare and light falloff.



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PTC Product Focus

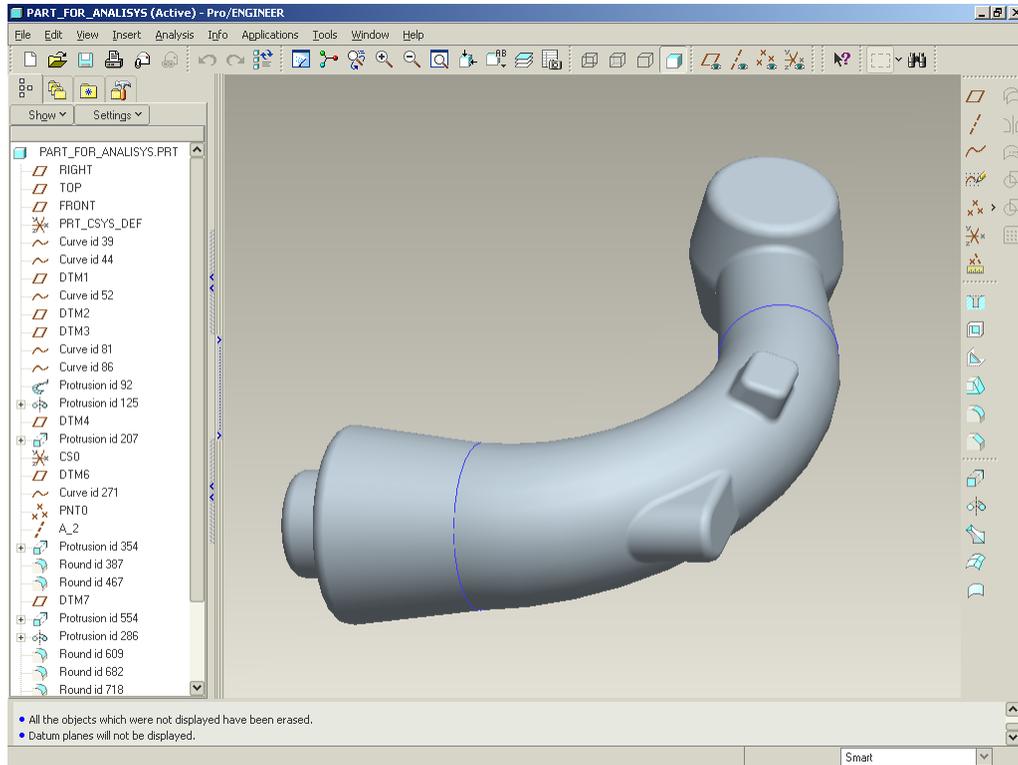
PDMLink : Desktop Integration

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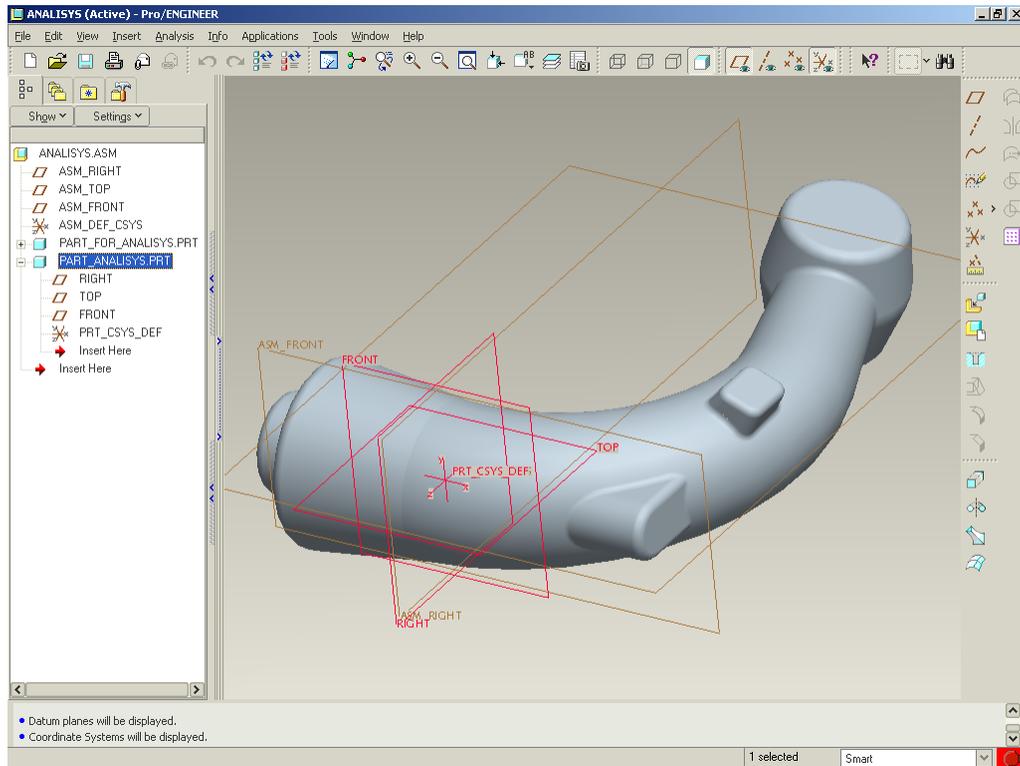
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Tips of the Week

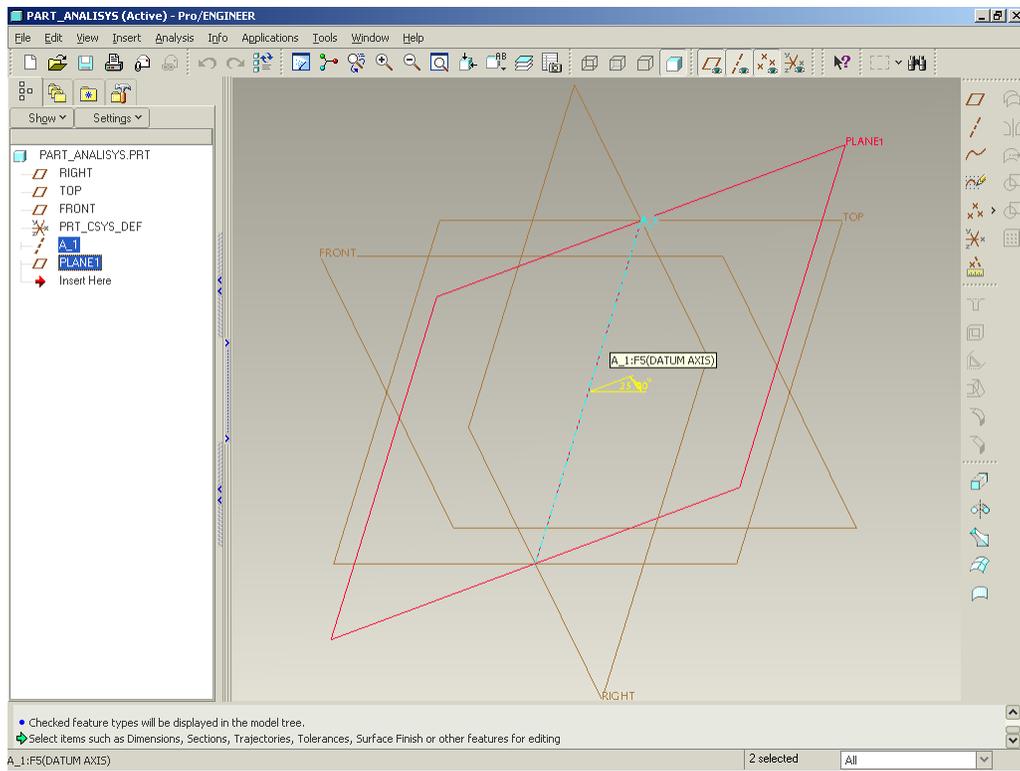
Using UDA and BMX to Maximize Projected Areas



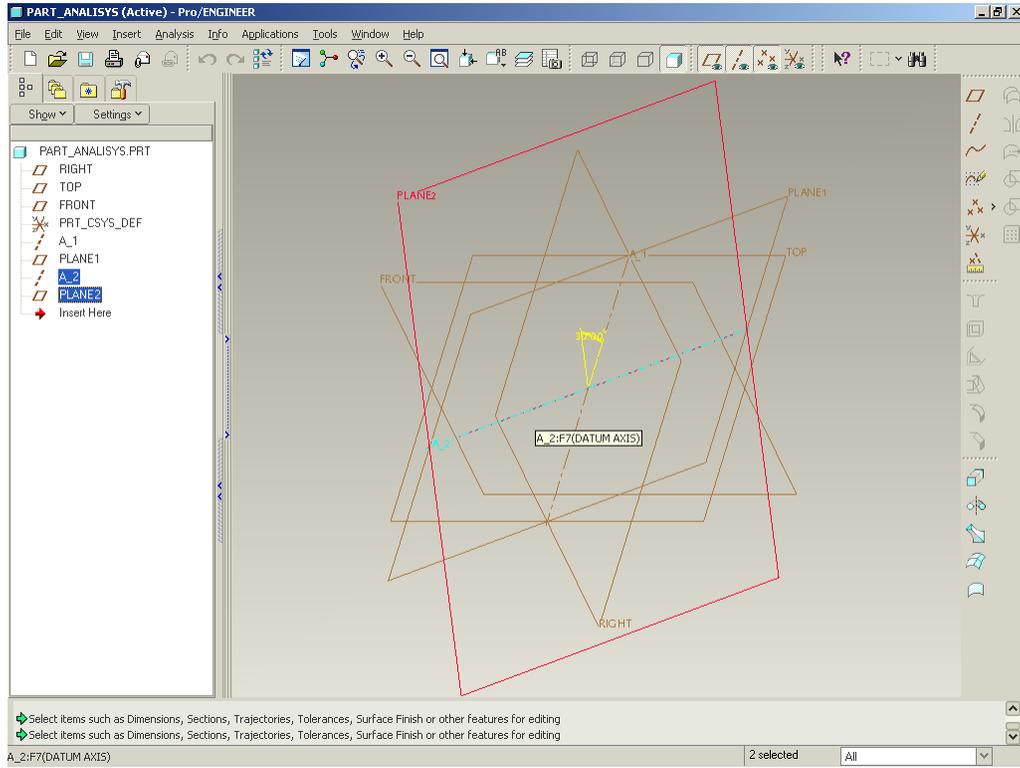
We'll use BMX to optimize the angles of two planes for get the minimum angle between two axis normal to the part and normal to a plane



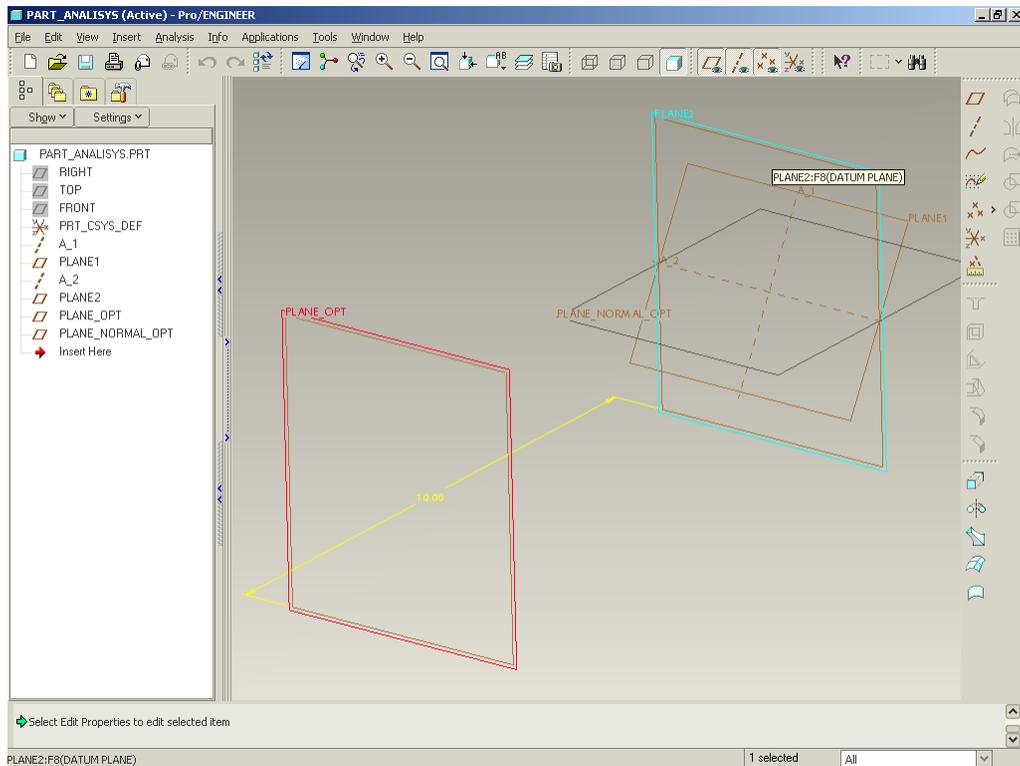
Create a new Assembly, assemble the 'PART_FOR_ANALYSIS' and create a new part using start part with default datums



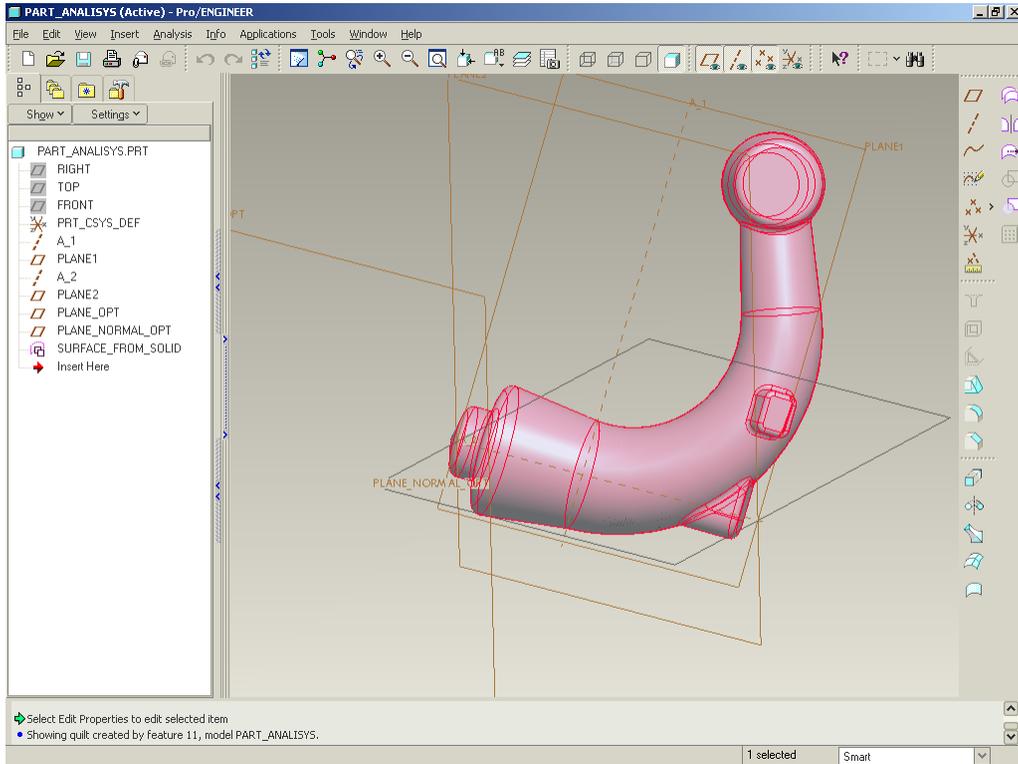
Open the 'PART_ANALYSIS' and create a datum axis 'A_1' and 'PLANE1'



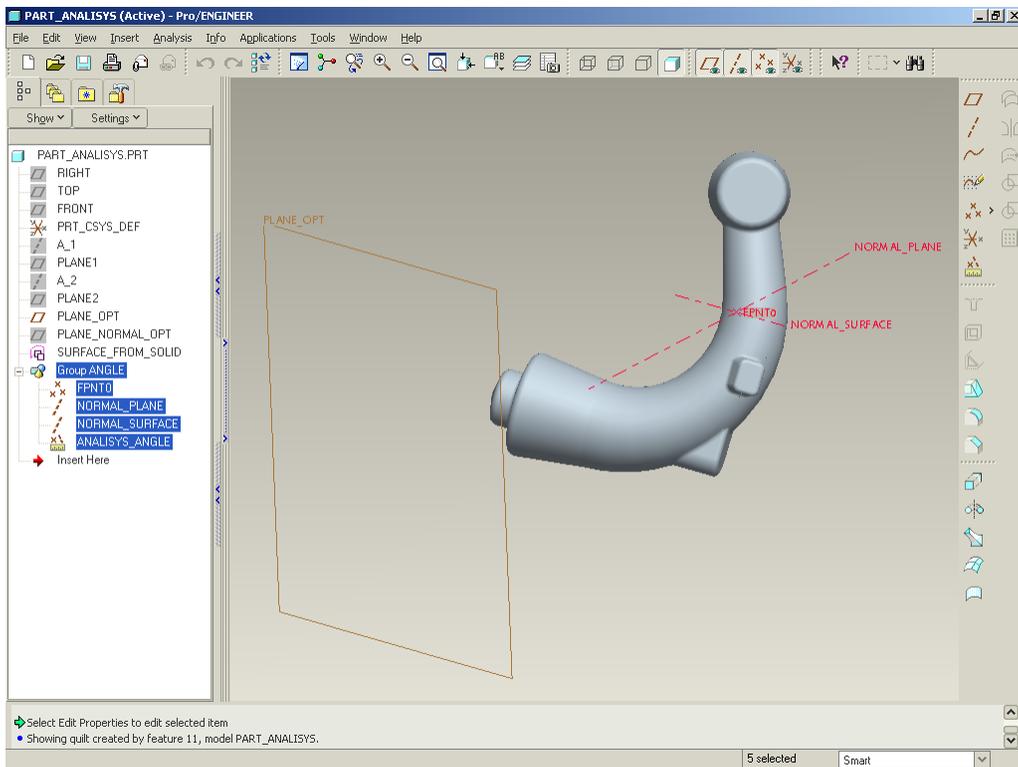
Create datum axis A_2 and PLANE2



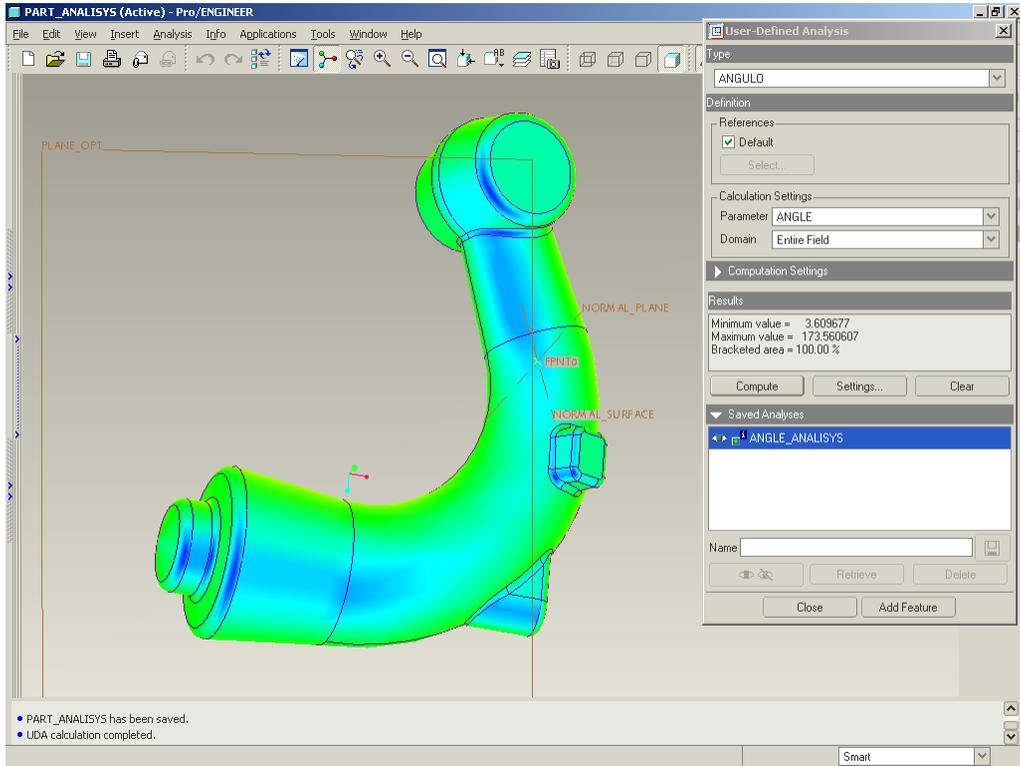
Create an 'Offset' datum plane, 'PLANE_OPT'



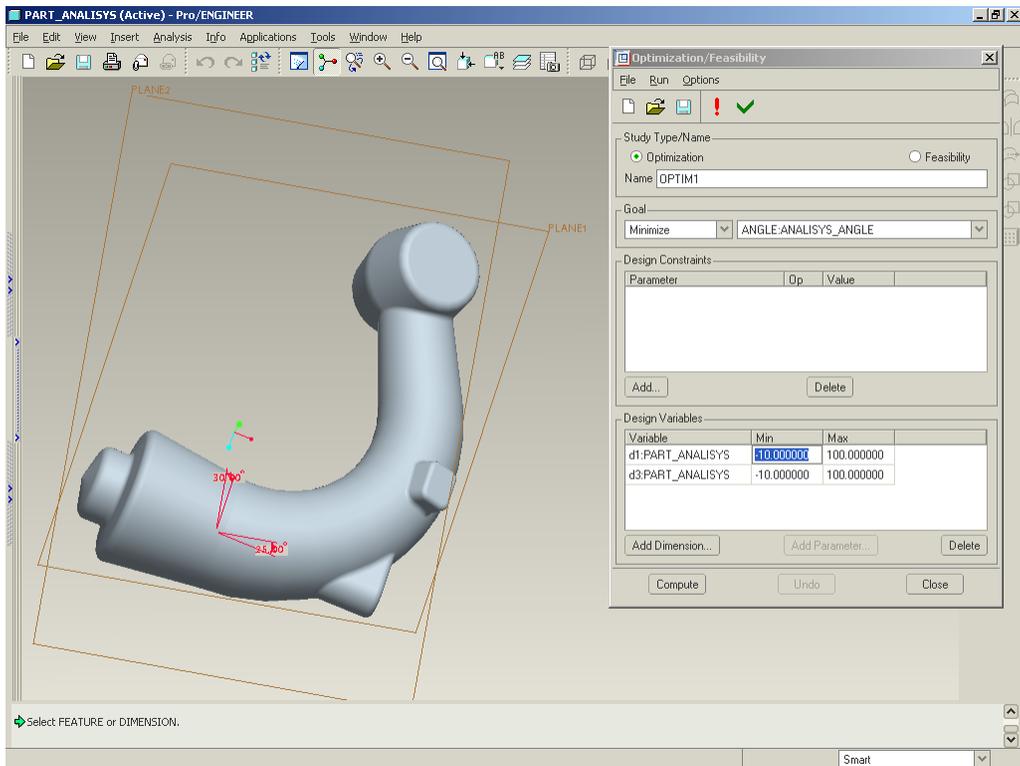
On the Assembly, 'ACTIVATE' 'PART_ANALYSIS' and copy the 'SOLID SURFACES' from the 'PART_FOR_ANALYSIS'



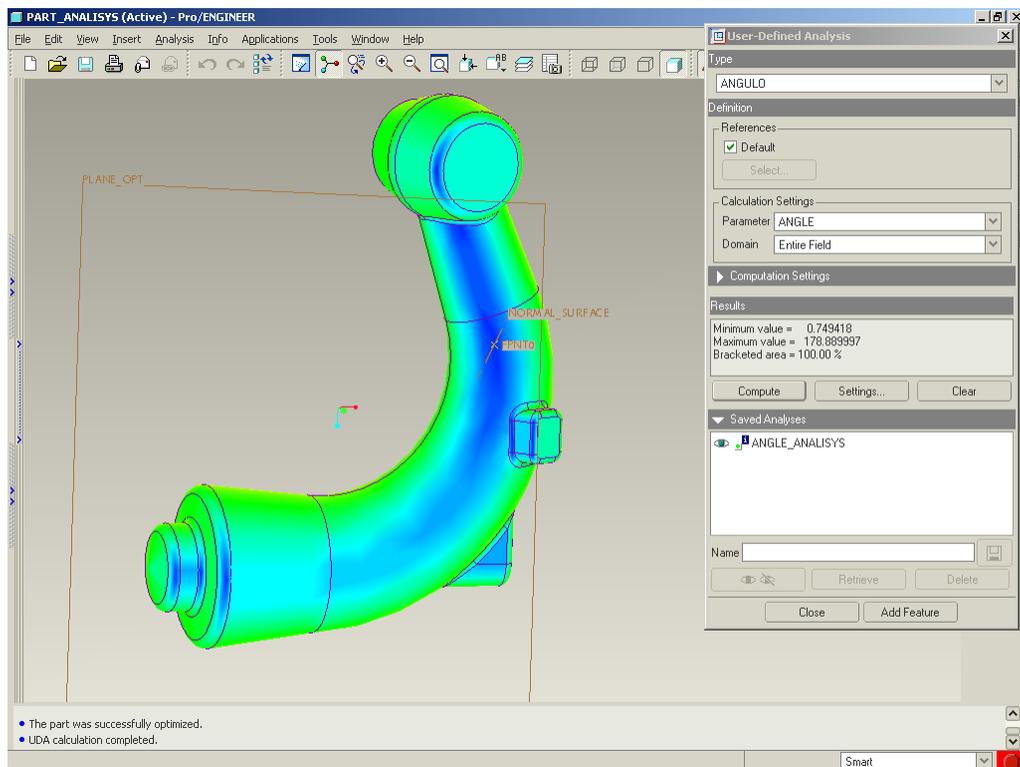
Create 'Field Point' on the 'Quilt', axis 'Normal_plane', and axis 'Normal_surface', create 'Local Group'



‘Analysis’, ‘User-Defined Analysis’, and save the analysis, ‘Hide’ the saved analysis



‘Analysis’, ‘Optimization’, use as the ‘Design Variables’, the angles of ‘PLANE1’ and ‘PLANE2’



Select again 'User-Defined Analysis' and show the saved analysis

You can select the surfaces from the 'PART_FOR_ANALYSIS' as you decide and rerun the Optimization

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Tips of the Week

ProjectLink Reporting

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Announcements

Special Hardware offers for customers updating to Pro/ENGINEER Wildfire

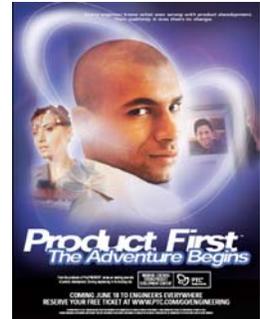
http://www.ptc.com/partners/hardware/current/wildfire_tlo.htm
<http://www.3dlabs.com/PTC/>

PTC Sponsored Events

Click below to see PTC sponsored events:

<http://www.ptc.com/company/news/events/index.htm>

Click on the poster to gain access to the Product First Virtual Event resource center!! See the software and pick up a screen-saver or two.



E-PROFILES IS HERE!!

We have been eagerly anticipating the debut of the new electronic version of Profiles Magazine and now it is here! This new web site will supplement the print edition of the magazine and will provide new useful features not feasible with paper media. e-Profiles will provide you with 24x7, worldwide access to key information previously available exclusively in the print version. "Tips & Tricks," a popular feature pioneered by Pro/USER, has also moved to the web and will be expanded as the site matures. Future plans include several foreign-language editions of Profiles for our many international readers. Currently, Profiles is printed in English and Japanese.

Please take a few minutes to check out this new web site. We don't think you will be disappointed.

<http://profilesmagazine.com/>

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Upcoming Events & Training Class Schedules

Upcoming, 2003 Your local Pro/Engineer User Groups
<http://www.prouser.org/rugs/>

June 8 - 11, 2003 Orlando, FL
Pro/USER International Conference
<http://www.prouser.org/>

Please visit the [PTC Education Services](#) website for the latest training information including course descriptions, schedules, locations, and pricing.

- Attend a course at any PTC Center and receive a **free** copy of Pro/E 2001 Student Edition!

<http://www.ptc.com/services/edserv/index.htm>

PTC

Note: This PTC E-Newsletter will continue to be used for the following:

- 1) Inform you on events related to PTC products (user groups, conferences, training schedules, etc.)
- 2) Educate you on products that are available at PTC
- 3) Tips & Techniques using PTC Products

Note: These messages are compiled in the local PTC office and will be distributed via e-mail.

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