# Ashlar-Vellum Channel Partner Newsletter
# August 2011

More New Features for Cobalt v9

In development for Argon™, Xenon™ and Cobalt™ v9 are the following potential features:

- **Conic surface from guides and sections.** We're looking for a snappy name for this so if you've got any good ideas, let us know. This is a convenient way to designate conic surfaces which are common in aerospace and industrial design.
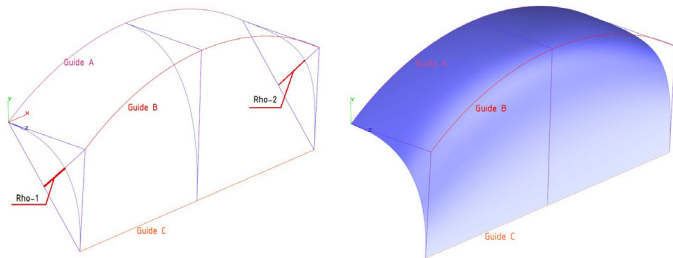
Conic surface created from guides and sections.

- **Spline from two contours.** We're thinking about calling this the *Dual Projection Spline*. It lets you designate a spline curve on the X-Y plane and another on the Y-Z plane, then project a surface along the contour where they meet.
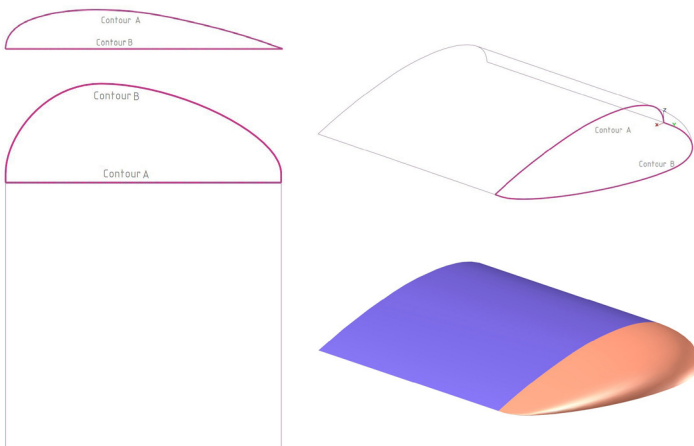

Spline created from two contours.

- **DXF/DWG 2012.** We'll be updating the DWF/DWG export to support up through 2012.
- **Object animation.** This will create animated sequences that move, rotate and scale individual parts and subassemblies within a model.
- **Animated 3D PDF.** Animated objects can be output through the built-in export for animated 3D PDFs.
- **Flattened perspective view.** This facilitates 2D line art with perspective brought into a view for illustration purposes.

Update to Proven Success Story

Several years ago we wrote a success story about Dale Speaks using Cobalt to reverse engineer a special cam and pawl differential for a 1957 Ferrari Testa Rosa prototype. That year the fully-restored Ferrari won the Best-of-Class at the prestigious 2006 Pebble Beach Concours d'Elegance in California. Last week, at the same show, the car sold to an unidentified bidder for $16.4 million, the highest price ever paid for a car at auction. We'll be updating our story, Cobalt Makes the Differential, to reflect this new this information soon.
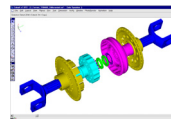
The fully restored 1957 Ferrari Test Rosa prototype, with a cam and pawl differential reverse engineered in Cobalt by designer Dale Speaks, fetched a record $16.4 million at auction this month.

Welcome Energy Performance Systems

Beth Davis, who recently joined her father, David Ostlie, at Energy Performance Systems, was in Austin this month for Cobalt training with Nick Slaughter. Beth will be drawing modifications to Energy Performance's new 45-ton tree harvester which cuts trees at the base and accumulates a full truckload as it moves along rows without stopping. The EPS harvester is designed to cut the cost of row tree harvesting compared to methods currently used in agro-forestry.

Beth Davis and Nick Slaughter discuss the features of Cobalt.

Energy Performance Systems' 45-ton tree harvester designed in Cobalt.

Graphite Tessellated Text

The tessellated text technology for Graphite has been updated to support OpenType, PostScript Type 1 and TrueType fonts. This linearizes the stroke-type fonts of text for easy production using CAM software, and for the visual representation of text in vector-based exports that do not support all fonts or Unicode.

Bou in Kiev

Robert Bou traveled to Kiev, Ukraine this month to meet with our team of Graphite™ and Cobalt programmers. The final updates to v8 were discussed and the roadmap for v9 charted. Robert also met with a potential technology partner for a yet-to-be-named motion simulation software product and the plan to integrate it into Cobalt and Iridium™.

Andrew Patlan (seated left) and Georgiy Sokolov discuss new features with Robert Bou for Graphite v9.

More Office Space

Ashlar-Vellum Ukraine team will be expanding to more office space in Kiev in September. The new space will allow us to grow our development team as we emerge from the world economic crisis.

Additional office space for our team in Kiev.