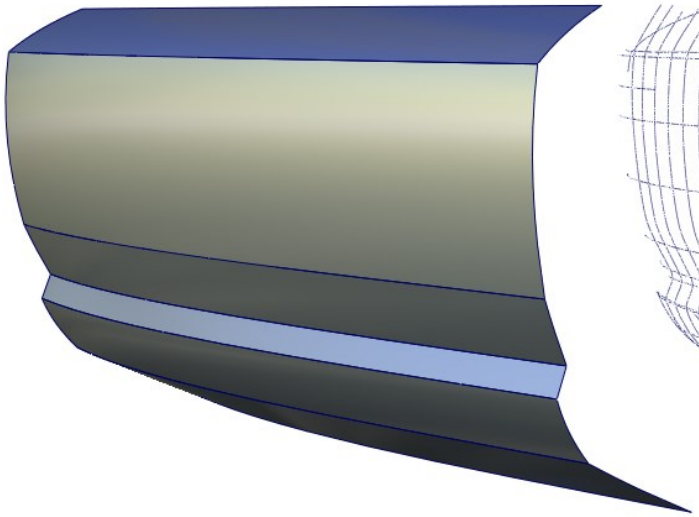
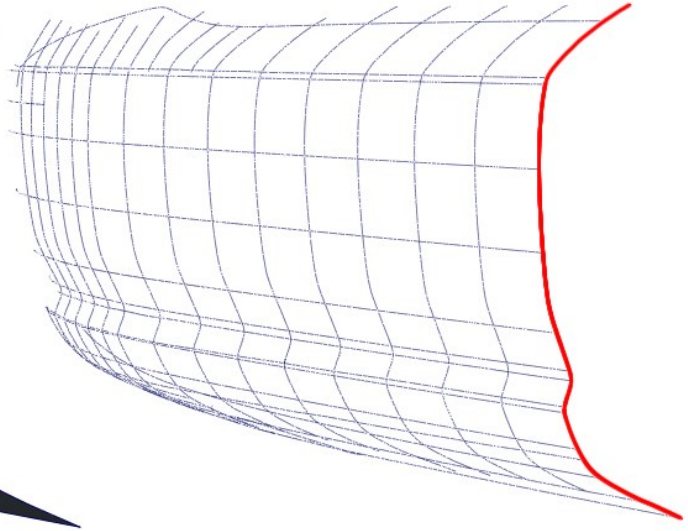
A1.2 Fitting Primary Curves to Scan Lines

OVERVIEW

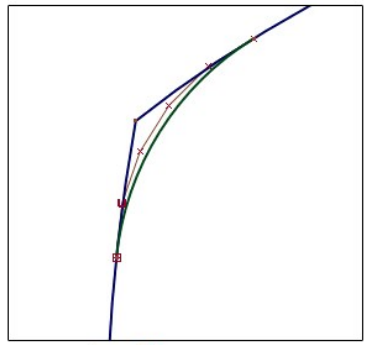
The example is of a portion of an interior fascia...



A set of scan lines are provided, only the centre-line one is used for fitting curves



Primary 'slab' curves are fitted to the scan data



Secondary fillet curves are built to evaluate and refine the primaries

KEY CONCEPTS

Avoiding inflections by using degree 2 curves. (Inflections are also known as 'ogees' – '0' 'G' for zero curvature)

Finding the Theoretical Intersections for the primary curves.

Interpreting scan data – how to distinguish between a design feature and a scan error.

Using Fillets with construction history to refine the primaries. Focussing on finding the correct theoreticals.

INDEX