

# ■ Curve Fits by Least Squares

- Use Linear Regression unless you know that the data follows a different pattern: like  $n$ -degree polynomials, multiple linear, log-log, etc.
- We will explore 1st (linear), ... 4th order fits.
- Cubic splines (piecewise, cubic) are a recently developed mathematical technique that closely follows the “ship’s” curves and analogue spline curves used in design offices for centuries for airplane and ship building.
- Curve fitting is a common practice used by engineers.

# Matlab Palm Solutions Chapter 5

**Y Pai**



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