

Industrial Process Control

*Early development of controllers was driven by engineering rather than theory. The effects of **integral** and **derivative** action were rediscovered by tinkering.*

Some interesting facts:

- ▶ By mid-1930's, there were **more than 600** control companies in the U.S.
- ▶ In 1931, Foxboro developed the **Stabilog** — the first general-purpose **proportional-integral-derivative (PID) controller**, with adjustable gains from 0.7 to 100
- ▶ Between 1925 and 1935, **about 75,000 controllers** were sold in the U.S.