

## Feedback Control: Some History

Ever since the invention of the centrifugal governor, control attracted the interest of engineers, mathematicians, physicists, economists ...

In Russia, [Ivan Vyshnegradsky](#) developed stability criteria of steam engine governors in 1876, independently of Maxwell. He was a director of St. Petersburg Technological Institute (1875–1878), and ended his career as a Minister of Finance of the Russian Empire (1887–1892).

Some of the earliest textbooks on control:

- ▶ M. Tolle, *Die Regelung der Kraftmaschinen*, Berlin, 1905.
- ▶ N.E. Joukowski, *The Theory of Regulating the Motion of Machines*, Moscow, 1909.