

Recent developments in calibration approaches in chemistry

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ABSTRACT

Unlike in physics, measurements in chemistry became of quantitative nature only with the advent of the French revolution. In addition, two of the most prevalent calibration strategies used by chemists today – the method of standard addition and the method of isotope dilution – were both developed in the 1930s. This talk will outline these two modern calibration methods, present recent advances regarding the metrology of these methods, and will summarize several problems that remain unanswered.