



THE DERIVATIVE SPECTROPHOTOMETRY WITH ORIGIN SOFTWARE SPECTROFOTOMETRIE DE INSTRUMENTE DERIVATE CU SOFTWARE ORIGINAL

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The differentiation of absorption spectra facilitates the detection of poorly resolved absorption peaks arising from admixtures or impurities in solution or for structural reasons and it enables the exact determination of λ_{thmax} of the particular analyte species and increases the sensitivity of the spectrophotometric procedures. The derivative spectra on calculated with the aid of Origin software using the Savitzky-Golay algorithm. Platinum was selectively determined by numerical calculation of the 4-order-derivative absorbtion spectrum of the mixture of iodide complex of Pt-Ru/C catalyst.