Abstract

The paper introduces smoothing method for gamma ray spectra. Motive of this method is to reduce the influence of statistical fluctuations and the random noise. Because of fluctuation, data prohibit for accurate estimation of composition of sample. In this work we have used the laboratory based data obtained from the Gamma Ray Spectrometer (GRS) developed in our laboratory using different scintillation detector like LaBr3:Ce/CeBr3. The digitized data from the developed GRS instrument are readout to computer through a NI DIO (National Instruments Digital Input/Output) card. Data acquisition system has been developed in LabVIEW to generate the gamma spectrum.

References


**Index Terms**

Computer Science  
Signal Processing

**Keywords**
Gamma Ray Spectrometer Data Processing Technique to Reduce the Influence of Statistical Fluctuation and Noise.

Gamma Rays, Smoothing, Noise.