

## **Recording system with spatial resolution for atomic-absorption spectrophotometers**

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### **Abstract**

An alternative method is developed for recording atomic absorption with spatial resolution on the basis of a position-sensitive photodetector. The main requirements on the optical system, the source, the radiation detector, and the algorithms for processing and interpreting the results are formulated. A description is given of how the proposed method is put into practice on the basis of a commercial atomic-absorption spectrophotometer. The advantages of the new recording system are shown, using the atomization of biological specimens of complex composition as an example.

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