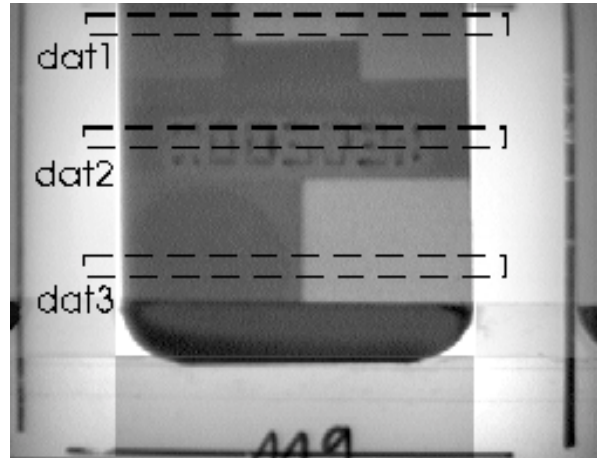


## Evaluation of Dosimeter films

### Problem

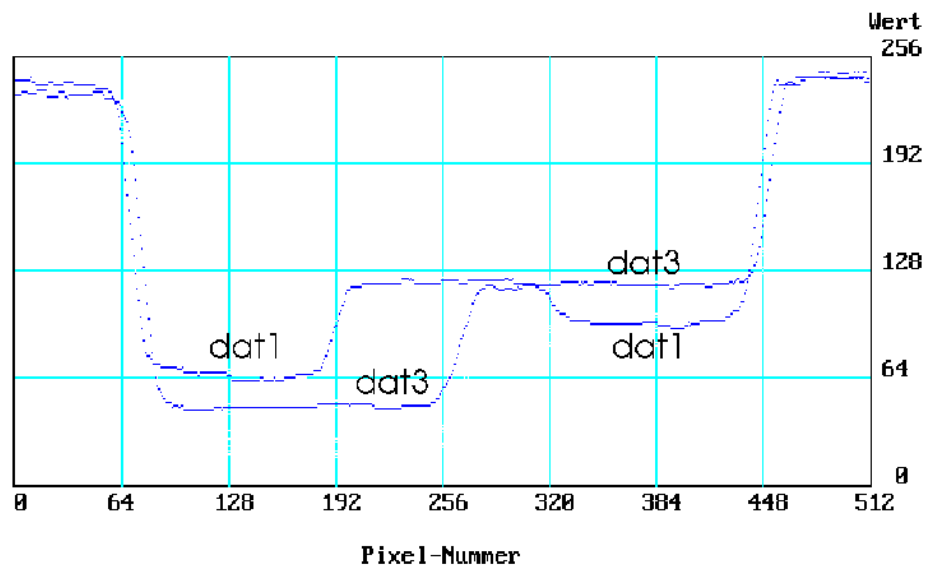
Destination is the investigation of Exposition of Dosimeter films as good-bad-test and the measurement of the blacking grade over an area of 6 decades.



### Solution

The good-bad-test takes place for film acquisition with the help of video camera. The interesting image ranges are selected by an intelligent frame grabber and processed with a DSP (digital signal processor).

While the complete video signal is available, it takes place a standardization on the black level and the image background. In reference to these values will the blacking of the film defined. Brightness fluctuation of its background illumination (LED's) becomes corrected by calculation. If required, an exact measurement will follow.



datnum	0	mode	: 3			
dat1	478	25.94	50.21	50.21	40.17	53
dat2	434	9.22	8.29	38.25	37.33	69
dat3	488	18.85	22.54	48.77	48.36	53

The metric measurement of blacking about the demanded 6 decades takes place by special sensors, if the Video evaluation indicates exceeding of the defined limits.