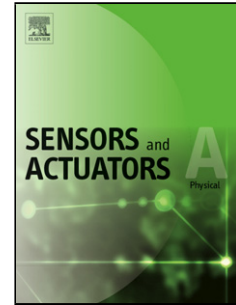


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Title: Study on several key problems in shock calibration of high-g accelerometers using Hopkinson bar

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Highlights

1. The pulse shaping techniques for shock calibration of accelerometers were investigated intensively.
2. The findings of pulse shaping technique guide the choice of projectile in linearity calibration of accelerometers.
3. A novel calibration method for dynamic linearity of accelerometers was proposed.
4. The efficiency and practicality of the newly proposed method was evaluated.
5. A measuring range from thousands of g to nearly 300,000 g can be achieved by this method.

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