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Experimenting on 'Elastic Spheroids'* Surprisingly educational Rubber balls readily attainable

- Cell-phone app provides precise timing of bounce by sound
- Fun project to do with students (such as my grandson!)
- **O** These factors strongly interact:
 - A. Type of ball: Hollow ("Spidey) vs Solid ("Swirly)
 - B. Storage temperature: Room vs Freezer
 - C. Height of drop: 3 6 feet
 - D. Flooring: Wood vs Rubber



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*Not Missing A Trick, Fun Physics Experiment Reveals The Magic Of Multifactor DoE Testing, Mark J. Anderson, *Quality Progress*, May 2022, Volume 55, Issue 5, pp. 32-39. 2022 Online DOE Summit: "The Magic of Multifactor Testing"











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