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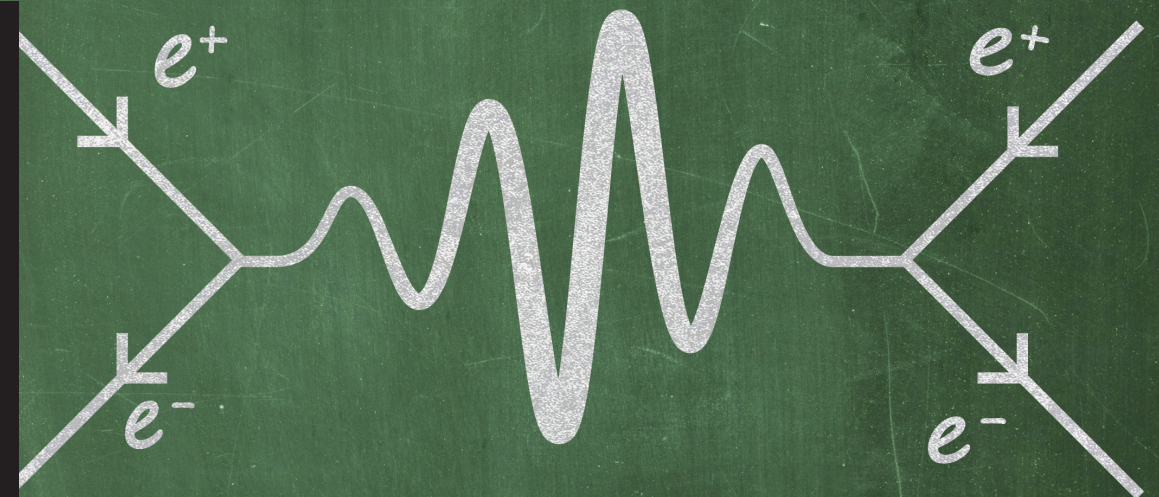
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# De Vonk

BSc, MSc and PhD  
thesis Articles

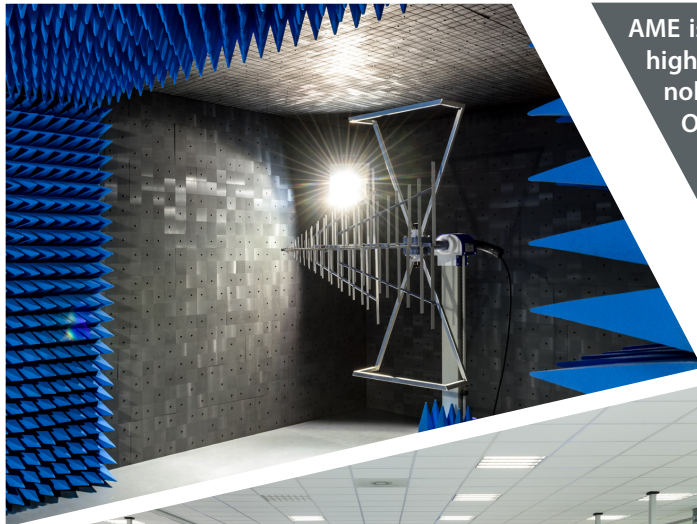
$$y = 11 \cdot \exp\left(-\left|x - \frac{\pi}{2}\right| \cdot \frac{1}{6}\right) \cdot \sin\left(x - \frac{\pi}{2}\right)$$



Icons of EE:  
Feynman



Year 37 | Edition 3 | July 2019



AME is an independent developer and manufacturer of high quality electronic products located in the top technological region of the world (Brainport Eindhoven). Our goal is to create innovative products that exceed customer expectations. We accomplish this by integrating product development and manufacturing and keeping a clear focus on the product and its function.

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Driven by technology, we strive for the best solution combining the disciplines of electrical, mechanical, software and industrial engineering. Through creativity, passion, ambition, motivation and a highly educated level of our employees AME secures its goal of being a profitable company.



Power Conversion



Sensing



Internet of Things

### Career

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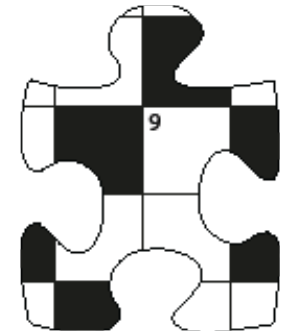
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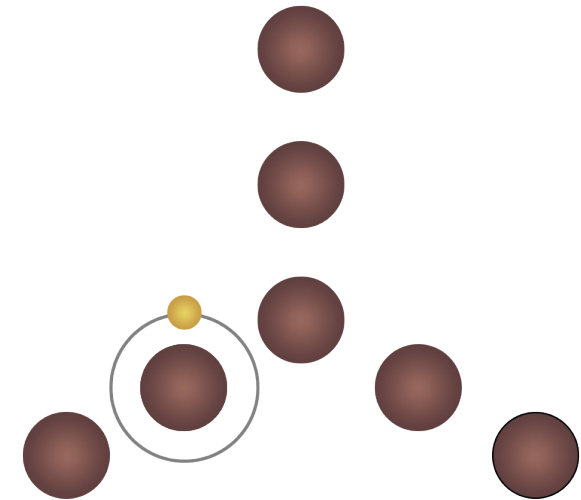
# Puuzle

Author: Truusje

The puzzle Truusje has prepared for you this week is exceptionally hard, but because it is of such scientific importance we decided to publish it anyways. To solve it, you'll need an extensive grasp of quantum physics and electrodynamics, but that shouldn't be a problem. We're very sorry for non-existence of last edition's puzzle. Truusje was on an extensive holiday.



As you can see on the image on the left we have a system of 7 fixed atoms and one free electron. Every second, the electron jumps from its current atom to a random neighbouring atom. With a special measuring device, we can measure any one of the seven atoms at a time to see if it currently is holding the electron. However, this device only works once per second. Assuming we don't know where the electron is at the point we start measuring, can you find a sequence that guarantees to find the electron? The person who sends us the shortest measuring sequence that is sure to find the electron will be this edition's winner!



Send your answers to [vonk@scintilla.nl](mailto:vonk@scintilla.nl) in order to participate!