

5TH French Physicists'

Tournament

les 9 et 10 février 2018

École normale supérieure de Paris

Problem 9 : Half-life sparkles

Sparks caused by an angle grinder tend to fly over a certain distance and then to split into several smaller sparks. What causes them to split? What is the condition for a split to occur? What influences the distance before the split? What will be the distance distribution of the sparks to fly?

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