

Professor Michael DiPasquale

Case Study 2, 3:15–4:00

The best way to divide up a cheese

Suppose your favorite superhero hands you a block of cheese and asks you the maximum number of cheese-chunks you can get from the block if you are allowed to use 500 straight cuts. He or she also does not like cheese rind, so would also like to know how many pieces you can get without cheese rind. Just in case you ever run into this situation, we'll try to make sure you leave knowing the answer! We'll start with a two-dimensional cheese and ease our way into the more tasty three-dimensional setting.