

## Extra Credit Challenge!

It appears that there is empty space all around the funnel. *But you know this cannot be true or else there would be no space for the coins to drop down from the top.*

- (1) Figure out the illusion of the amazing “Micro Bank.”  
(*Hint*: it involves one or more *mirrors*)
- (2) Make a sketch and write down a clear explanation of what you are really looking at when you look “behind” the funnel. In other words: *where does the light really come from that appears to come from behind the funnel.*
- (3) Include your name and your recitation instructor’s name, and hand to me your solution to the illusion at the end of lecture next Thursday (March 8).

The bank will be available for gentle inspection after lecture today, during my office hour on Friday (9:30-10:30, Room 2016 PRB), and after lecture on Tuesday.

Depending on the accuracy and clarity of your solution, you could receive up to 3 extra credit points (out of 500 total points).