Home stereos are common in most families. Either implemented in basements or living rooms, playing music, movies or even live concerts, it is a great way to relax. However, people may find that aligning the speakers in their home stereos tedious. What annoys them most is that even when they move around their furniture, the positions of the speakers have to move accordingly.

We came up with a novel way to solve this problem by using the technique of beamforming. Which we can make the speakers automatically adjust their positions so that the sweet spot is always around the person no matter where he stands. And the following will be our method and systems.