

Short letter to the Physics Community -

I've had an interest in the concepts surrounding anti-gravity probably from science fiction since childhood. Twenty years ago I gave a hand written paper to a lecturer on the subject explaining that there could be four different types of matter- matter, anti-matter, anti-gravity matter, anti-gravity anti-matter. Anti-gravity matter would seem to repel normal gravitational matter so it would try to get as far from matter as possible. When I saw some of the work on cosmic foam done by the Nobel Prize winning George Smoot I wondered about its structure and felt that the reason for its structure could be due to a mirror anti-gravity universe that given its lack of interaction in the electromagnetic realm was invisible. This sort of answers my outstanding question- why if anti-gravity matter exists can't we detect it?

Perhaps this idea is common knowledge within the physics community but wanted to comment on it in the case the possibility had been overlooked.