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## On the Calculation of the Time Delay Between Gravitationally Lensed Images When Peculiar Motions are Taken into Account

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An intervening galaxy acts like a gravitational lens and produce multiple images of a single source such as a remote galaxy. Such galaxies have peculiar speeds in addition to the bulk motion appearing due to the expansion of the universe. There is a difference in light arriving time known as the time delay. We calculate more realistic time delays when such peculiar motions are taken into consideration.

**Authors:** WEERASEKARA, Gihan (University of Colombo); WICKRAMASINGHE, Thulsi (The College of New Jersey)

**Co-author:** JAYARATNE, Chandana (University of Colombo)

**Presenter:** WEERASEKARA, Gihan (University of Colombo)

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