

Mass vs distance

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- *From:* "Ian Macmillan" <iandmac@xxxxxxxxxx>
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Dear Group,

Could it be excluded that the Hubble red shift and the greater than expected rotation rate and implied increased mass of distant galaxies could be explained by mass decreasing with time?

Evidently a large amount of the mass of the universe must have been converted to radiation over the aeons, but although every photon is presumably absorbed eventually, there must be a huge amount of energy in transit in the universe, representing a considerable mass. If this represent a mass density distributed throughout the universe, is it a significant factor in cosmology?

All the best

Ian Macmillan

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