



GRACE range-rate data inversion for Different Basis Functions on the Earth

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We use self-consistent procedure to invert the GRACE range-rate data into different basis functions on the earth. This paper investigates the equivalence of inversions in these different basis functions. This study attempts to gain insights into spatial and temporal characteristics of the signal and noise for different basis functions. Tikhonov regularization is used to stabilize the ill-posed inversion problems and L-curve is used as a parameter search method.