



Slightly modified method of non-regular combination of EOP and station coordinates from different techniques

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Space geodetic techniques (VLBI, GPS, SLR and DORIS) play a main role in providing measurements of the Earth's rotation, shape etc. We use a method of non-regular combination of results of these techniques to derive the Earth orientation parameters and station coordinates. The method was recently slightly modified in order to be able to compute more than two hundred thousand observation equations and almost six thousand unknown parameters with constraints. Such a large system of linear equations is solved using a modified Cholesky decomposition of the sparse matrix of normal equations, taking into account their specific form. The estimated parameters, at daily intervals in the whole time span, will be presented.