



Improving the Space-Domain Potential Field Methods

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Present day space-domain techniques for computing potential field signal generated by known sources start from scratch for each field point. The alternative is to store the signal in few support field points as a set of coefficients of power series expansion of the field around this point. The field generated by these known sources (in 3D) can subsequently be retrieved for an arbitrary field point in the vicinity of the support point.

The poster will outline the present status of the proposed method. Especially, the pros and cons of the technique in relation to the existing methods will be discussed.