



Anisotropic singularity analysis based on geological constrained moving windows

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Geochemical patterns caused by regional geological processes or mineralization often depict anisotropic trends. This paper introduces a newly proposed fault trace-oriented singularity index mapping technique for characterizing hydrothermal mineralization-associated anisotropic geochemical signatures. The newly proposed method can be considered as a supplement to the formerly introduced regularly shaped window-based or contour-based singularity index mapping technique.