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The application of EOF in the analysis of the variability of water temperature, salinity and density in selected regions of the Norwegian Sea

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Abstract

The results of applying empirical orthogonal function (EOF) to the decomposition and approximation of the vertical profiles of seawater temperature, salinity and density are presented. The calculated empirical orthogonal functions were used to analyse the spatial and temporal variability of hydrophysical parameters along two hydrographical transecs in selected regions of the Norwegian Sea.