Supplementary Material: Visualization of Uncertain Multivariate Data via Feature Confidence Level-Sets

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Figure 1: We consider a rectilinearly sampled mesh of the IEEE SciVis 2021 contest Earth’s mantle convection data set [SYP17]. Here, we select traits defined over the temperature anomaly and spin-transition-induced density anomaly (stida) to visualize flow patterns. We use $T = \{T_A, T_B\}$.

Figure 1: (a) 2D scatterplot of attribute space and traits. For the traits, we used extremes of temperature anomaly and negative spin-transition-induced density anomaly—(stida) to visualize flow patterns. We use $T = \{T_A, T_B\}$.

(b) ZLS$_T$

d) View of ZLS$_T + FCLS_{T,68%}$ revealing the uncertain structure and spatial proximity of features identified by the selected traits.

(c) $+$ FCLS$_{T,68%}$

References