

The figure displays a 4x5 grid of 20 heatmaps, labeled #0 to #19, representing the spatial distribution of the 20th-order Legendre polynomial for different values of  $\alpha$ . The heatmaps are arranged in four rows and five columns. The color scale ranges from dark purple (low values) to bright yellow (high values). The patterns show the evolution of the polynomial's behavior as  $\alpha$  increases from 0 to 1.9.

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