

The figure displays a 4x5 grid of 20 heatmaps, each representing the spatial distribution of the 20th-order Legendre polynomial for a specific value of α . The heatmaps are labeled #0 through #19. The color scale indicates the magnitude of the polynomial, with dark purple representing low values and bright yellow representing high values. The patterns of high and low values vary significantly across the different α values, showing a progression from a single central peak (#0) to more complex, multi-peaked distributions (#19).

5