

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  $\alpha$ . The heatmaps are labeled #0 through #19. The color scale indicates the magnitude of the polynomial, with dark purple representing lower values and bright yellow representing higher values. The patterns of high and low values evolve as  $\alpha$  increases from 0 to 19.

5