Hough Function Depictions of $Z, u, v$

Solutions to the Horizontal Structure Equation for Equivalent Depth of 10km


$S =$ zonal wave number

$n = l - s =$ meridional index

Hough function depictions of the latitudinal structure of $u$ (dashed), $v$ (dotted) and $Z$ (solid) for zonal wavenumber $s$ (rows), and meridional index $l - s$ (columns). Hough functions are after Kasahara (1976). Each variable is normalized to a maximum amplitude of one.