Discrete Spectrum of the Rotating Shallow Water Eigenproblem Simon Fraser University Dept. of Mathematics Kevin A Mitchell, David J Muraki



$$(\phi) = \frac{\exp\left(-\frac{1}{2}\int\frac{(\cos\phi\,\overline{u})_{\phi} + 2\sin\phi\,\overline{u}}{\overline{u} - c\cos\phi}d\phi\right)}{\sqrt{\rho'\left(\overline{u} - c\cos\phi\right)\left(1 + \epsilon\overline{\eta}\right)}}$$

