



Figure 2.10: Staggering of horizontal grid descriptors (lengths and areas). The grid lines indicate the tracer cell boundaries and are the reference grid for all panels. a) The area of a tracer cell, A_c , is bordered by the lengths Δx_g and Δy_g . b) The area of a vorticity cell, A_ζ , is bordered by the lengths Δx_c and Δy_c . c) The area of a u cell, A_w , is bordered by the lengths Δx_v and Δy_f . d) The area of a v cell, A_s , is bordered by the lengths Δx_f and Δy_u .