

Errata for High order difference methods for time dependent PDE
(Updated April 2010)

<u>Page and line:</u>	<u>Reads:</u>	<u>Should read:</u>
103, 12	$S = [\mu; \text{all roots } z_\nu(\mu) \text{ of (5.9)}$	$S = \{\mu; \text{all roots } z_\nu(\mu) \text{ of (5.9)}$
131, -1	$(u, u)_h^2$	$(u, u)_h$
136, 14	$h^{-1}\partial/\partial x$	$-h^{-1}\partial/\partial x$
137, 1	$M =$	$M = \frac{1}{h^2}$
148, 3	τ	$\frac{\tau}{h}$
148, 10	$\tau u_N \mathbf{w}$	$\frac{\tau}{h} u_N \mathbf{w}$
150, 6	$\tau \lambda_\nu(u_N^{(\nu)})$	$\frac{\tau}{h} \lambda_\nu(u_N^{(\nu)})$
150, 7	$\tau \lambda_\nu(u_N^{(\nu)})$	$\frac{\tau}{h} \lambda_\nu(u_0^{(\nu)})$
151, 12	τ	$\frac{\tau}{h}$
152, 13	τ	$\frac{\tau}{h}$
152, 13, -12, -3	S	$-hS$ (4 places)
152, -1	$H^{-1}((S$	$\frac{1}{h} H^{-1}((-hS$
154, -6	τL	$\frac{\tau L}{h}$
154, -5	τR	$\frac{\tau R}{h}$
155, 2	τL	$\frac{\tau L}{h}$
155, 2	τR	$\frac{\tau R}{h}$
208, 1 (fig)	efined	defined
215, 6	$a_L h$	$a^L h$
283, -9	point.:	point:
285, 4	$u^+(x_{j-1/2})^+$	$u^h(x_{j-1/2})^+$
297, 1	$\tilde{v}(x)$	$\tilde{v}(x_j)$
312, -3, -2	$\frac{1}{12}$	$-\frac{1}{12}$