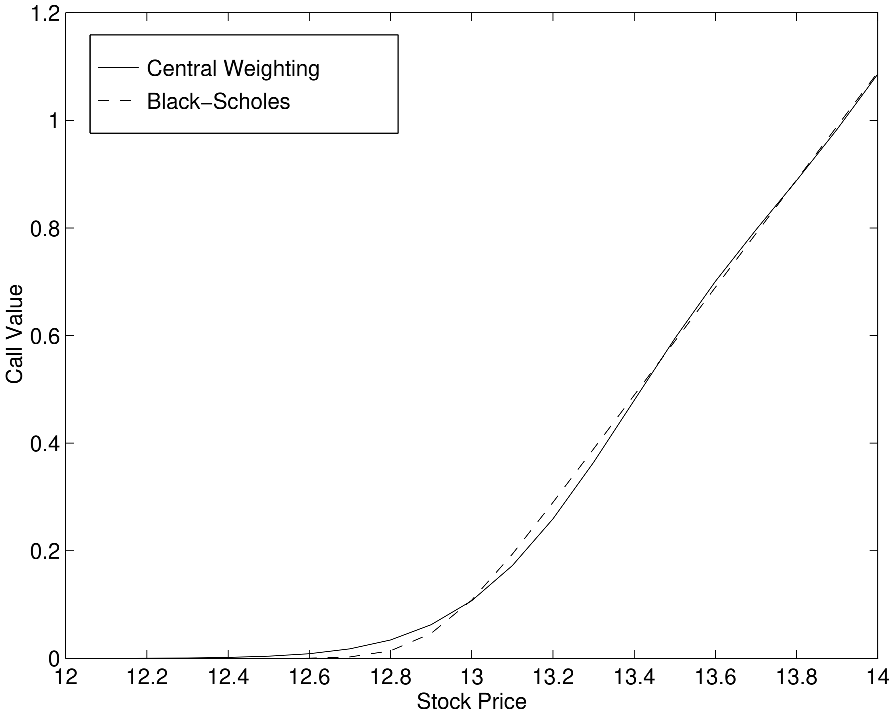
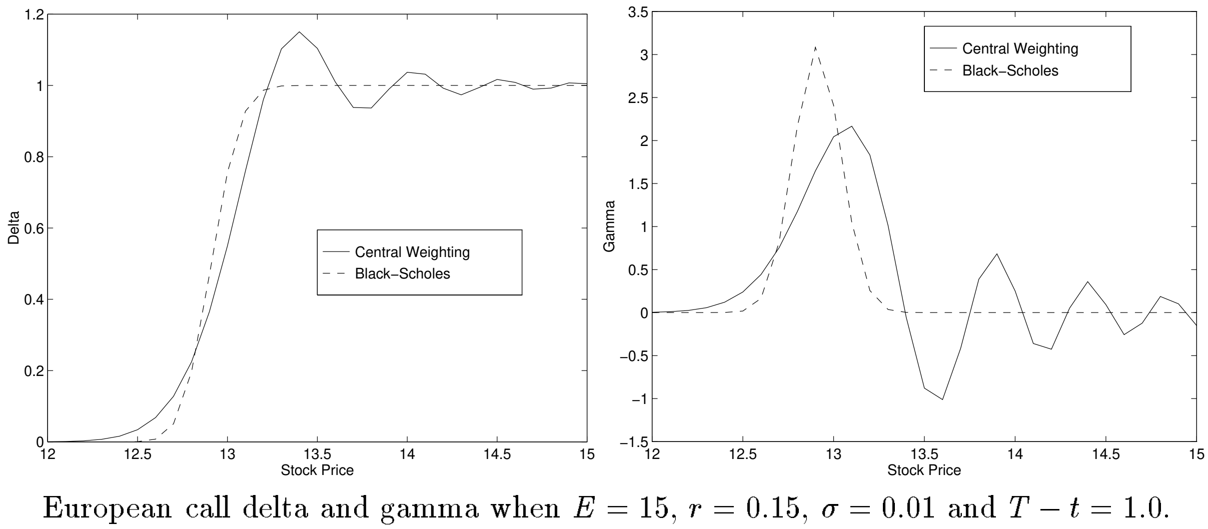
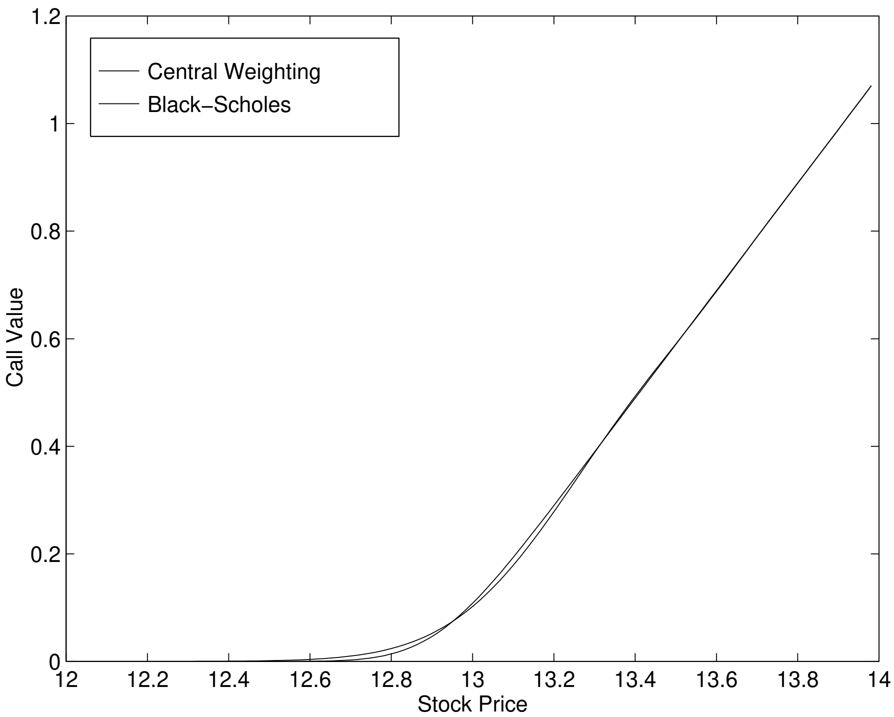


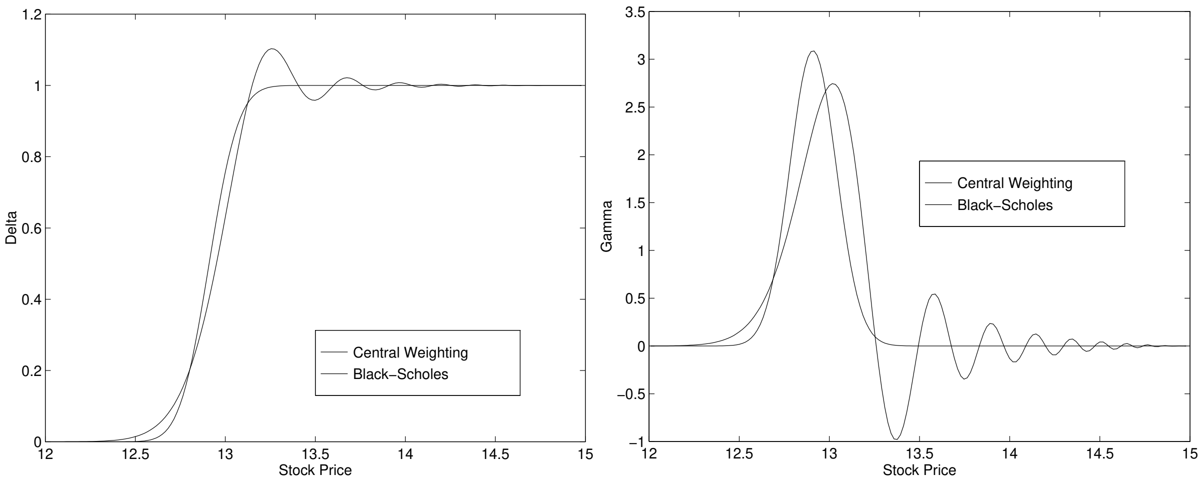
European call value when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using central weighting with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



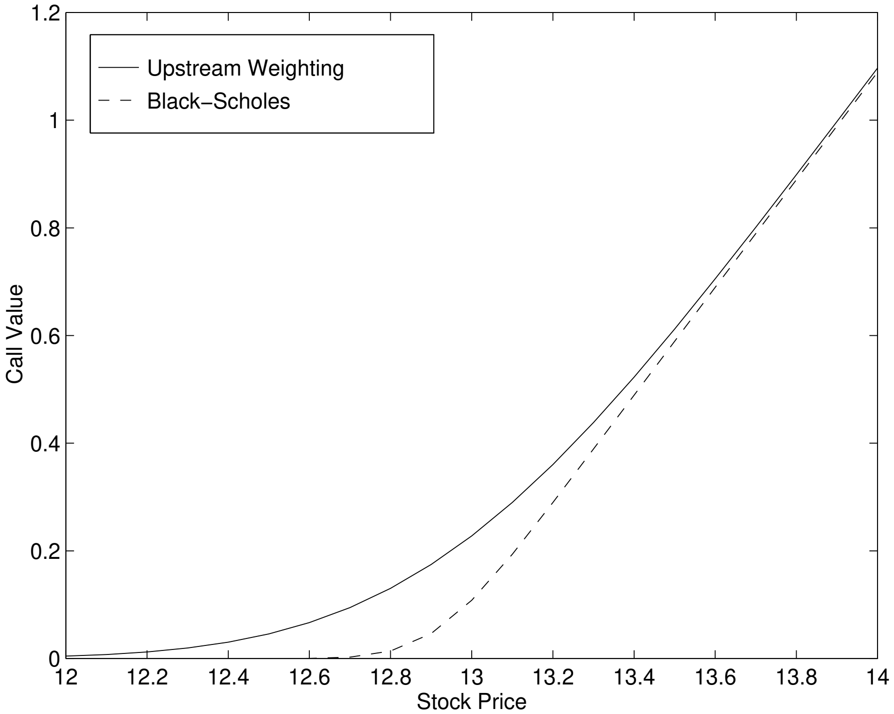
European call delta and gamma when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using central weighting with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



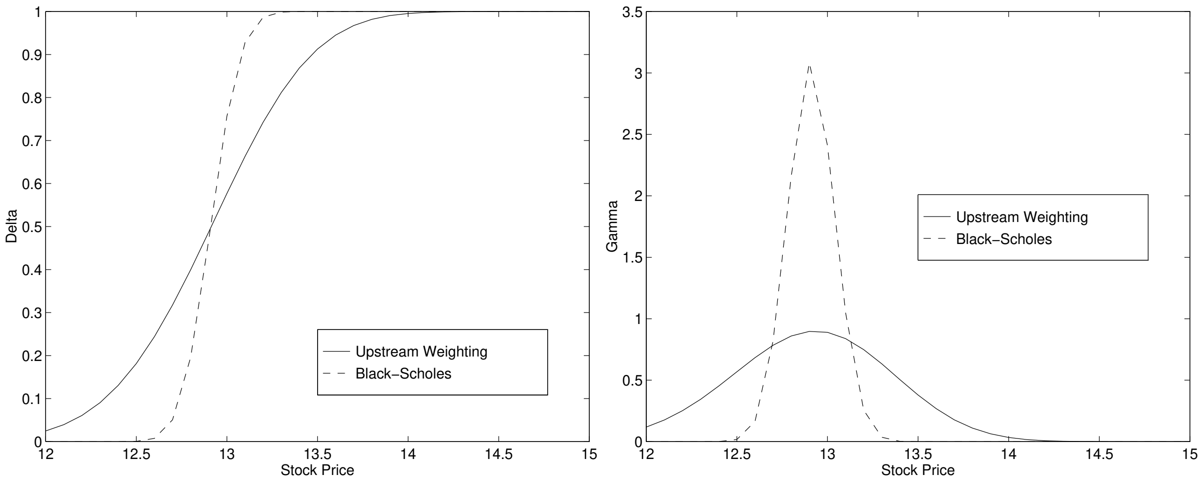
European call value when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Log transformed PDE solved using central weighting with $\Delta y = 0.0013$, $\Delta t = 0.04$ and $\theta = \frac{1}{2}$.



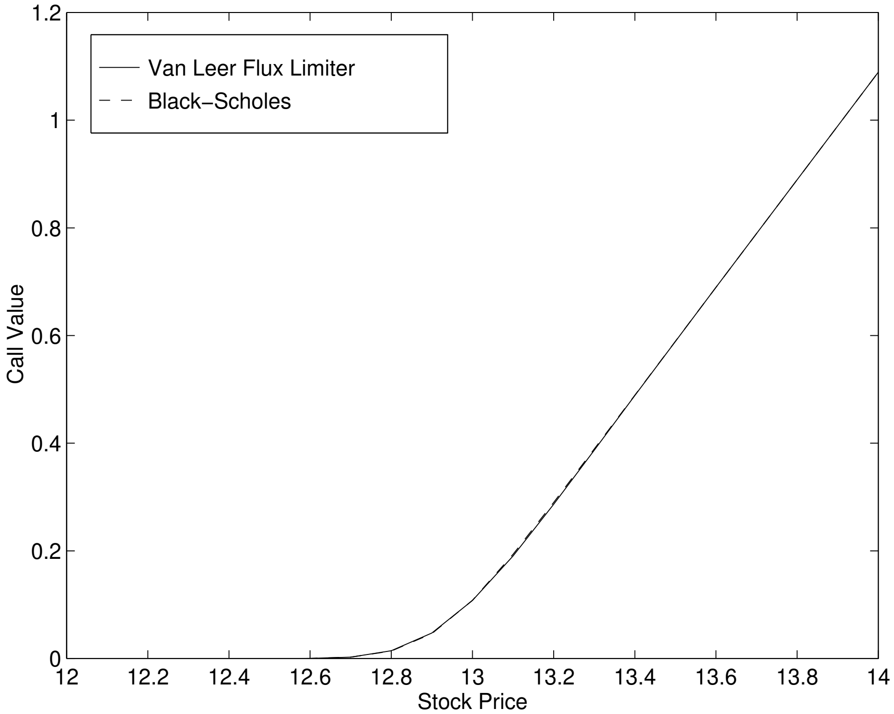
European call delta and gamma when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Log transformed PDE solved using central weighting with $\Delta y = 0.0013$, $\Delta t = 0.04$ and $\theta = \frac{1}{2}$.



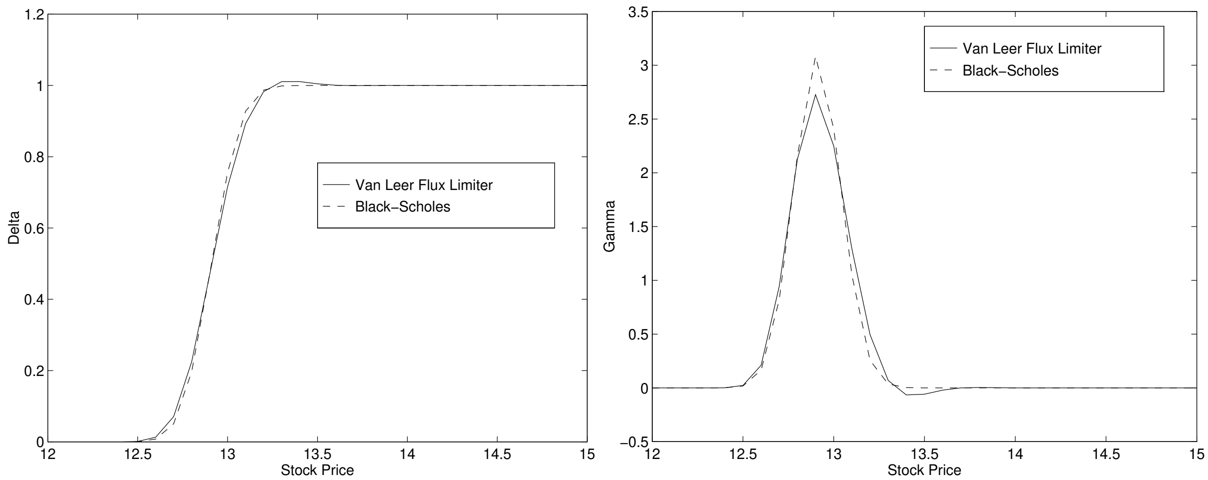
European call value when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using first-order upstream weighting with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



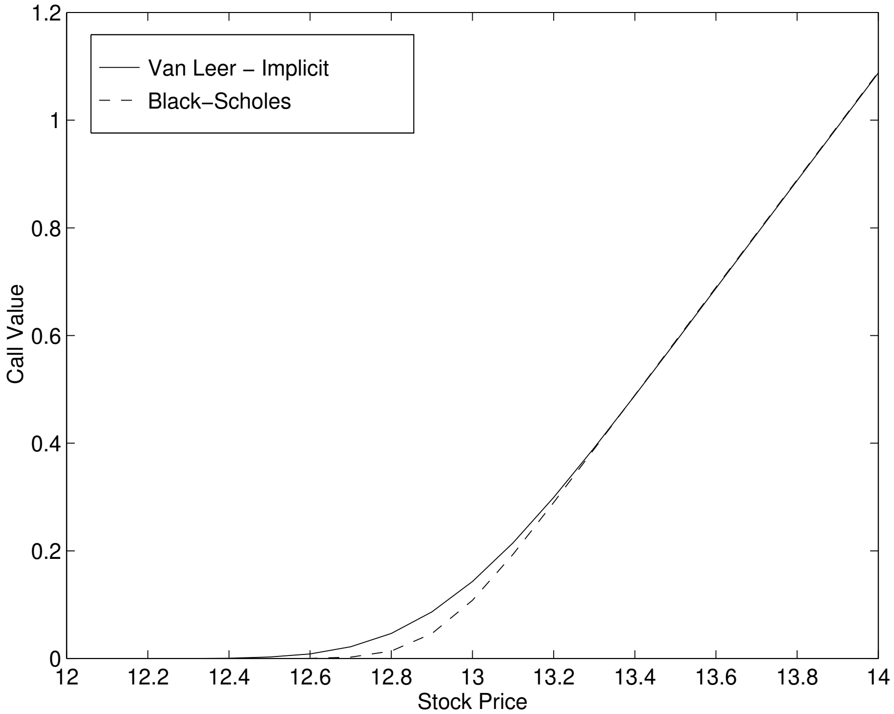
European call delta and gamma when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using first-order upstream weighting with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



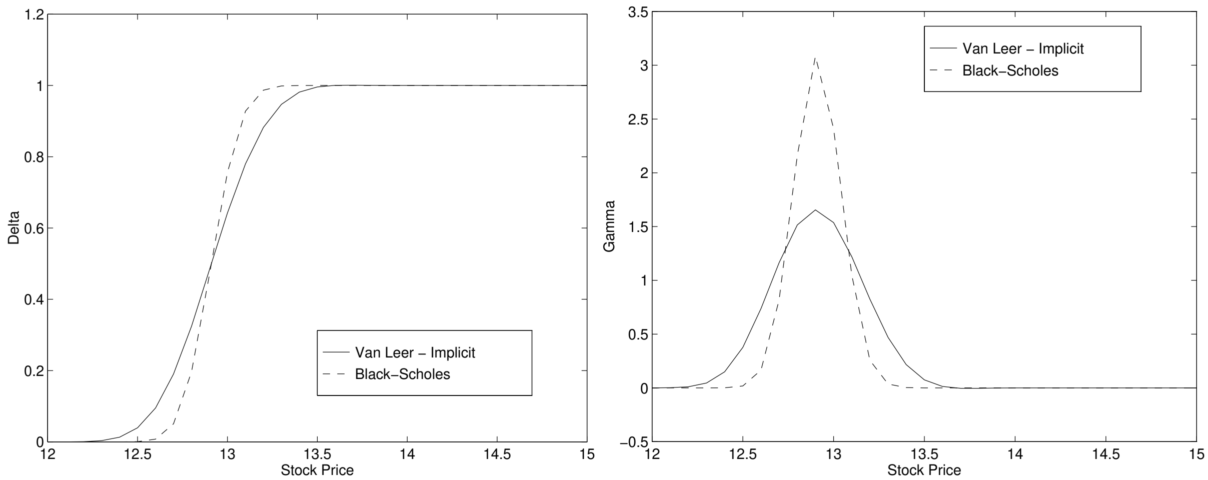
European call value when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



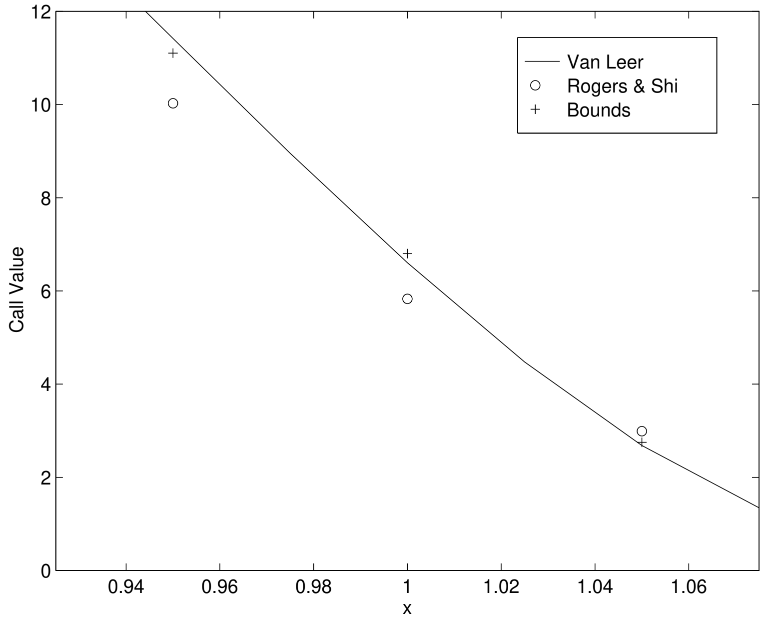
European call delta and gamma when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = \frac{1}{2}$.



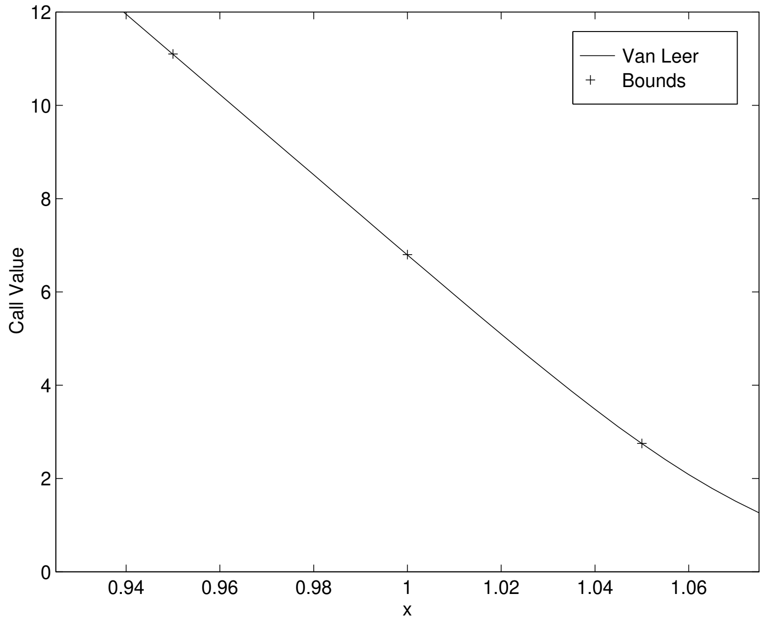
European call value when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = 1$.



European call delta and gamma when $E = 15$, $r = 0.15$, $\sigma = 0.01$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta S = 0.1$, $\Delta t = 0.01$ and $\theta = 1$.



Fixed-strike Asian call value for $S = 100$ when $r = 0.15$, $\sigma = 0.05$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta x = 0.025$, $\Delta t = 0.0025$ and $\theta = \frac{1}{2}$. Computed in 5.5 seconds on a Sun Sparc10 workstation.



Fixed-strike Asian call value for $S = 100$ when $r = 0.15$, $\sigma = 0.05$ and $T - t = 1.0$. Calculated using the van Leer flux limiter with $\Delta x = 0.005$, $\Delta t = 0.0025$ and $\theta = \frac{1}{2}$. Computed in 25.75 seconds on a Sun Sparc10 workstation.

Continuous Sampling Results

E	I x S	Exec. Time (min.)	Value	Bounds
90	134 x 37	11 - 12	13.98	13.95 - 11.16
100	134 x 37	11 - 12	7.94	7.94 - 8.15
110	134 x 37	11 - 12	4.04	4.07 - 4.23

Asian call values at S=100 when $r = 0.05$, $\sigma = 0.30$ and $T - t = 1$. Bounds obtained from Rogers and Shi (1995). Execution times are for runs performed on a DEC Alpha.

E	I x S	Exec. Time (min.)	Value	Bounds
95	101 x 67	15 - 16	11.10	11.09 - 11.11
100	101 x 67	15 - 16	6.86	6.79 - 6.81
105	101 x 67	15 - 16	2.89	2.74 - 2.76

Asian call values at S=100 when $r = 0.15$, $\sigma = 0.05$ and $T - t = 1$.

Discrete Sampling Results

E	I x S	Exec. Time (sec.)	Value	B. & P.
95	781 x 47	≈ 90	6.49	6.50
100	781 x 47	≈ 90	2.94	2.96
105	781 x 47	≈ 90	0.96	0.97

Asian call values at S=100 when $r = 0.10$, $\sigma = 0.20$ and $T - t = 0.25$. B. & P. results are from Barraquand & Pudet (1996). Execution times are for runs performed on a DEC Alpha.

E	I x S	Exec. Time (sec.)	Value	B. & P.
95	131 x 47	≈ 60	10.32	10.34
100	131 x 47	≈ 60	7.06	7.08
105	131 x 47	≈ 60	4.53	4.54

Asian call values at S=100 when $r = 0.10$, $\sigma = 0.20$ and $T - t = 1$.