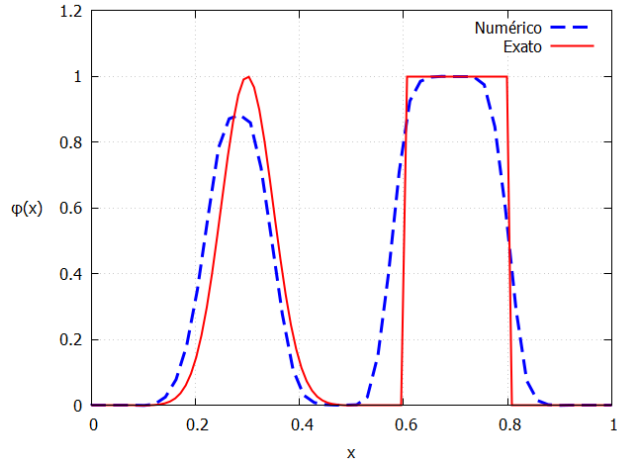
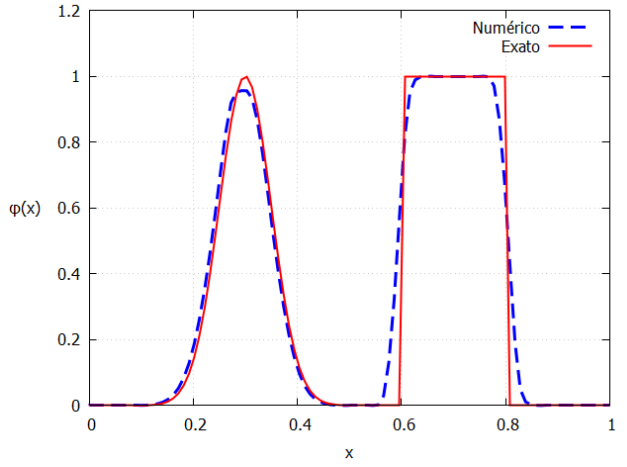


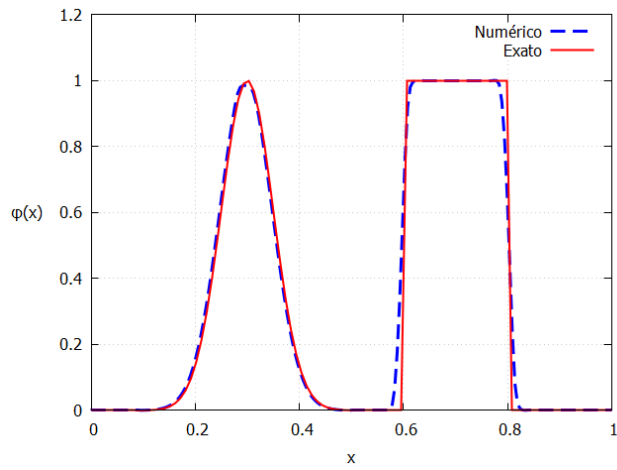
## Resultados - Minmod/Koren



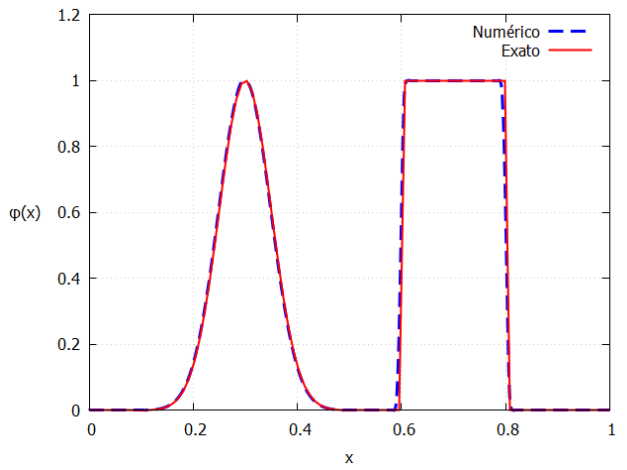
(a)  $\Delta x = L/50$ ,  $\Delta t = 0,032$



(b)  $\Delta x = L/100$ ,  $\Delta t = 0,016$



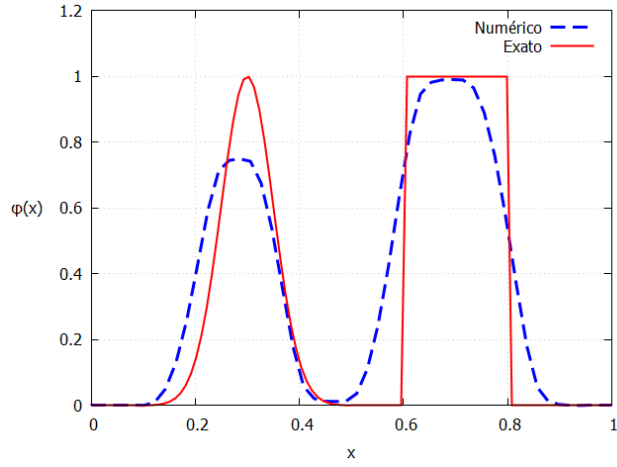
(c)  $\Delta x = L/200$ ,  $\Delta t = 0,008$



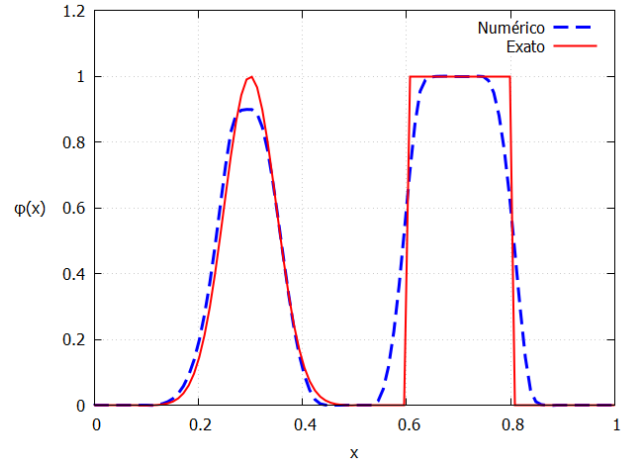
(d)  $\Delta x = L/500$ ,  $\Delta t = 0,0032$

Figura 1: Resultados em  $t = 2$  s.

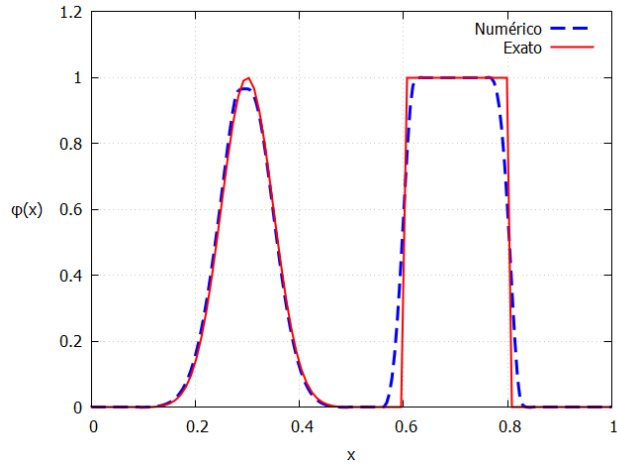
## Resultados - Minmod/Koren



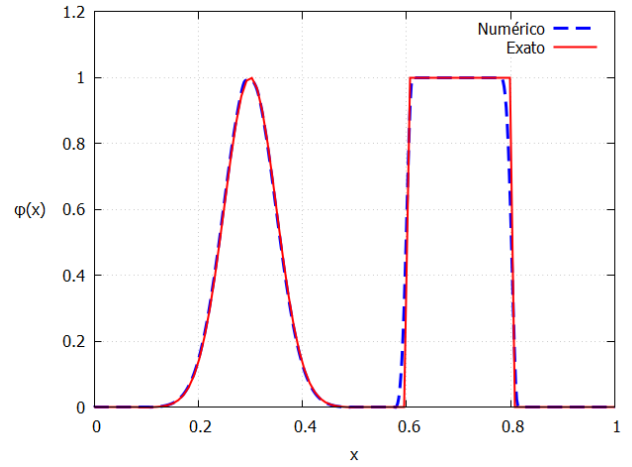
(a)  $\Delta x = L/50$ ,  $\Delta t = 0,032$



(b)  $\Delta x = L/100$ ,  $\Delta t = 0,016$



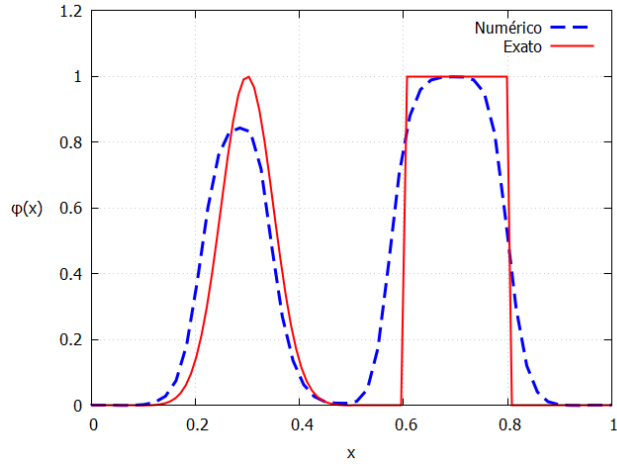
(c)  $\Delta x = L/200$ ,  $\Delta t = 0,008$



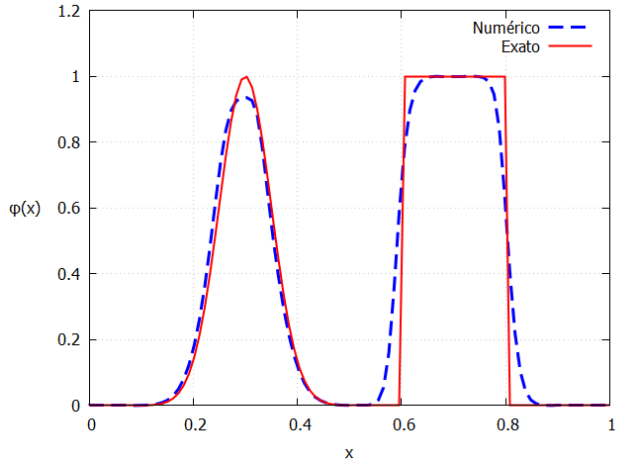
(d)  $\Delta x = L/500$ ,  $\Delta t = 0,0032$

Figura 2: Resultados em  $t = 10$  s.

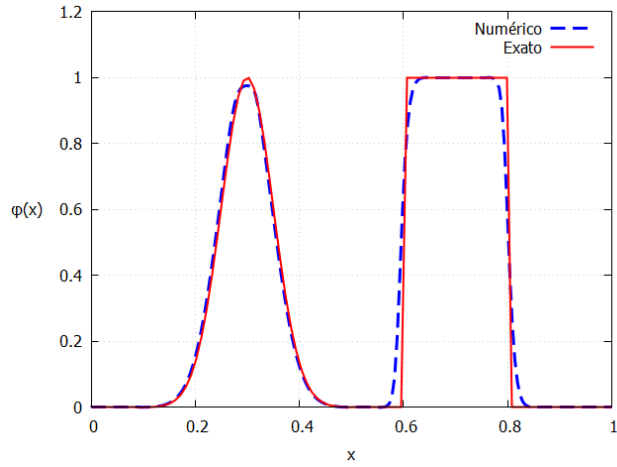
## Resultados - Superbee/Ospre



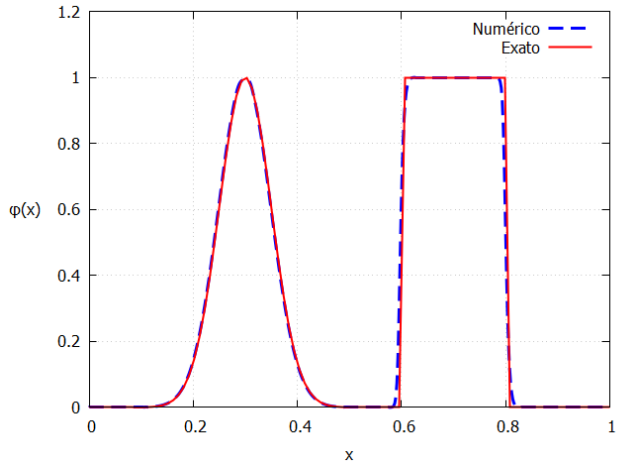
(a)  $\Delta x = L/50$ ,  $\Delta t = 0,032$



(b)  $\Delta x = L/100$ ,  $\Delta t = 0,016$



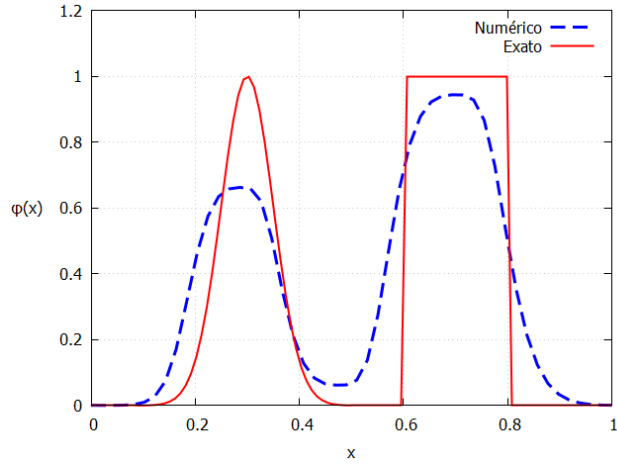
(c)  $\Delta x = L/200$ ,  $\Delta t = 0,008$



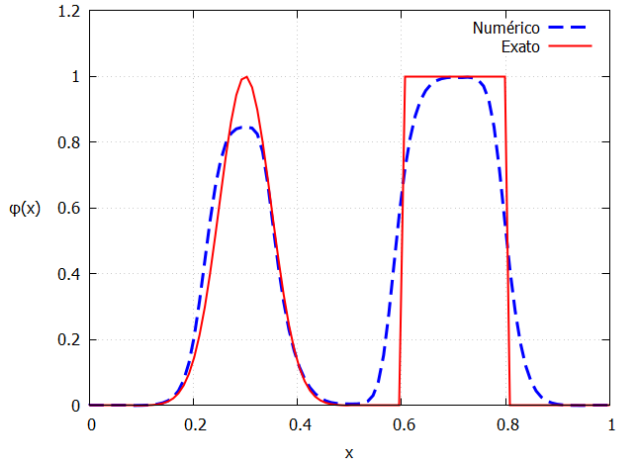
(d)  $\Delta x = L/500$ ,  $\Delta t = 0,0032$

Figura 3: Resultados em  $t = 2$  s.

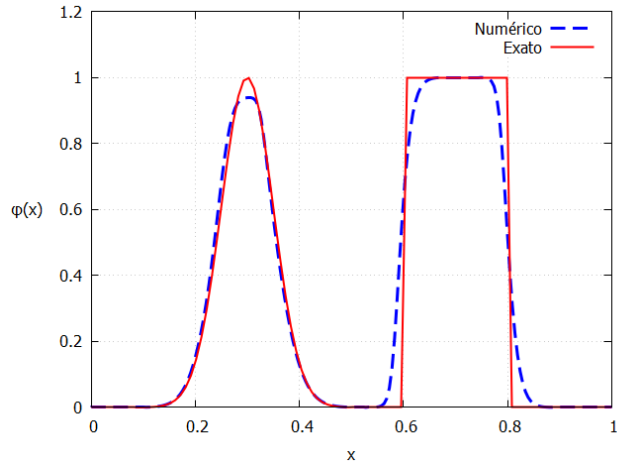
## Resultados - Superbee/Ospre



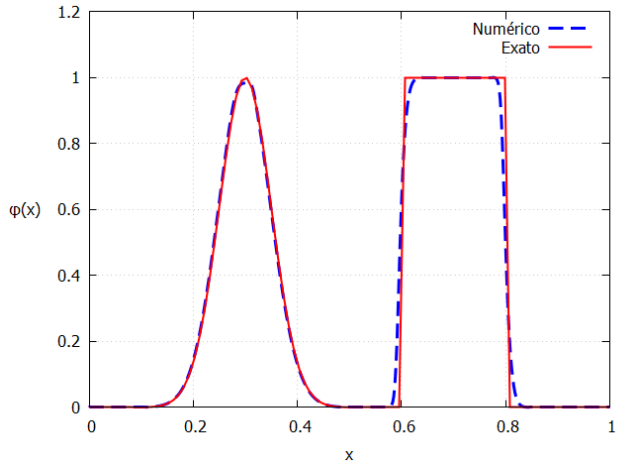
(a)  $\Delta x = L/50$



(b)  $\Delta x = L/100, \Delta t = 0,016$



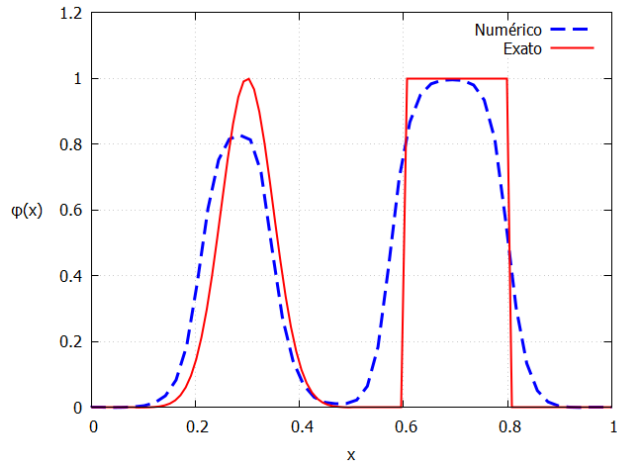
(c)  $\Delta x = L/200, \Delta t = 0,008$



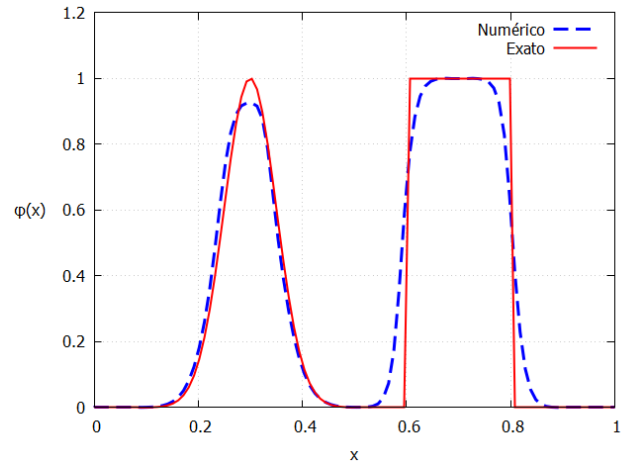
(d)  $\Delta x = L/500, \Delta t = 0,0032$

Figura 4: Resultados em  $t = 10$  s.

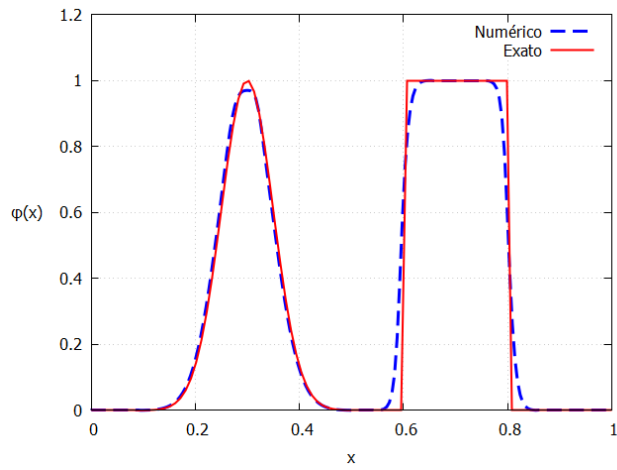
## Resultados - MC/van Albada



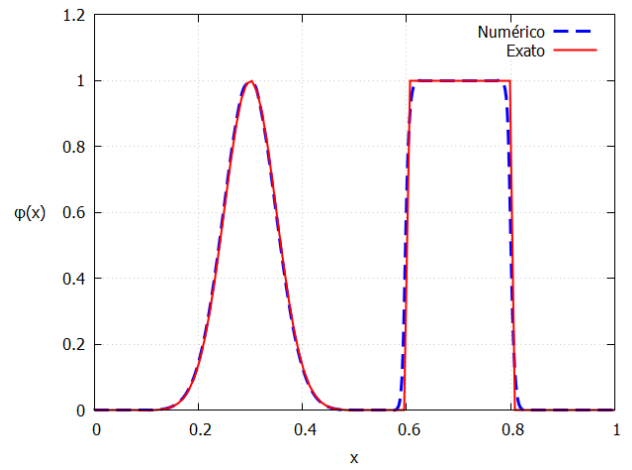
(a)  $\Delta x = L/50$



(b)  $\Delta x = L/100, \Delta t = 0,016$



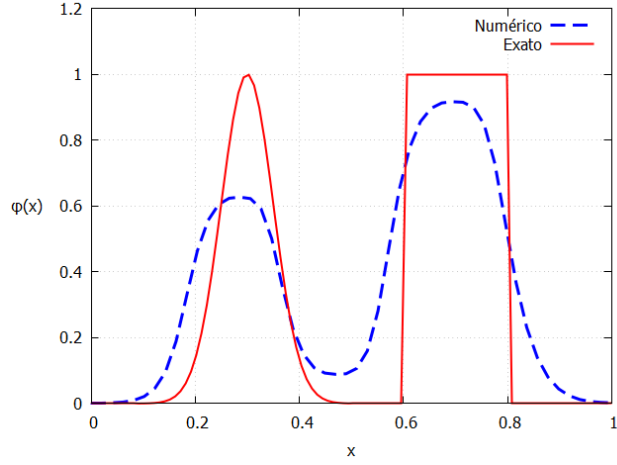
(c)  $\Delta x = L/200, \Delta t = 0,008$



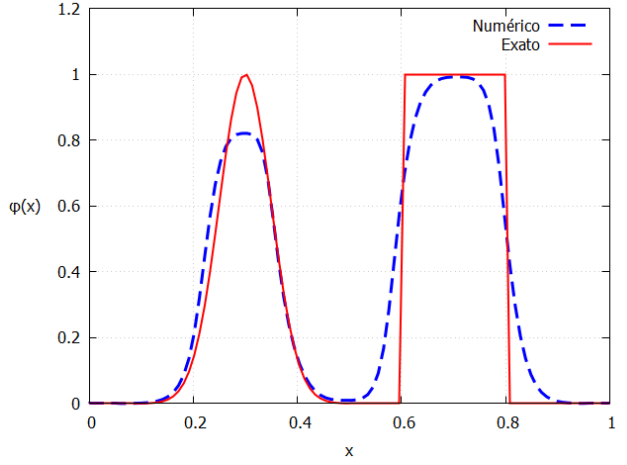
(d)  $\Delta x = L/500, \Delta t = 0,0032$

Figura 5: Resultados em  $t = 2$  s.

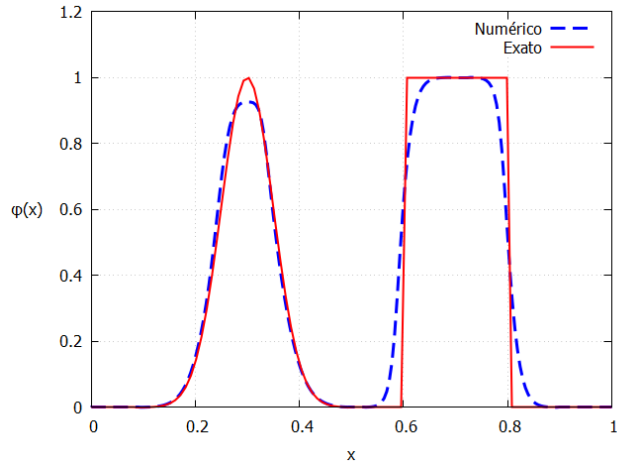
## Resultados - MC/van Albada



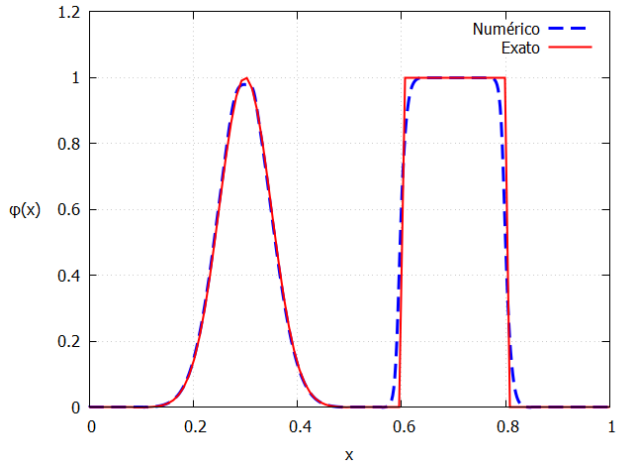
(a)  $\Delta x = L/50$ ,  $\Delta t = 0,032$ .



(b)  $\Delta x = L/100$ ,  $\Delta t = 0,016$

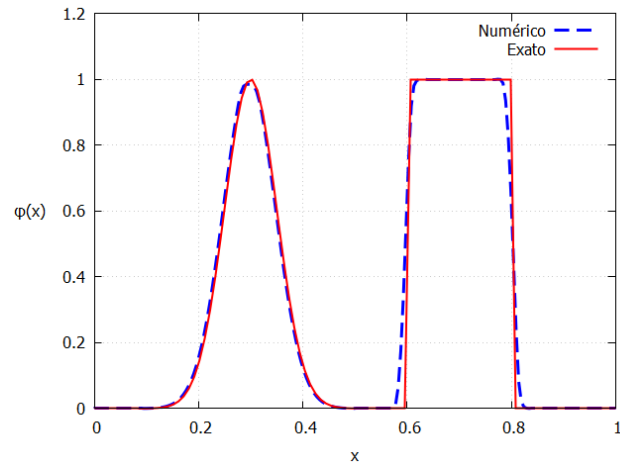


(c)  $\Delta x = L/200$ ,  $\Delta t = 0,008$

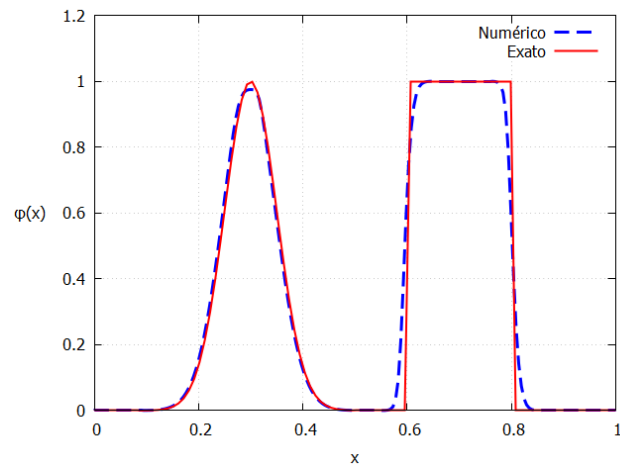


(d)  $\Delta x = L/500$ ,  $\Delta t = 0,0032$

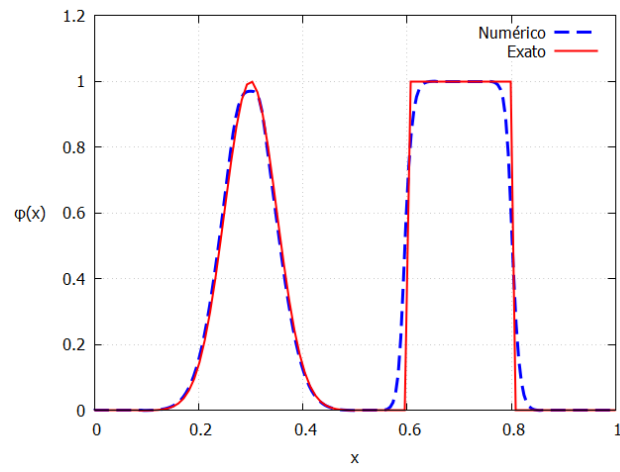
Figura 6: Resultados em  $t = 10$  s.



(a) Minmod

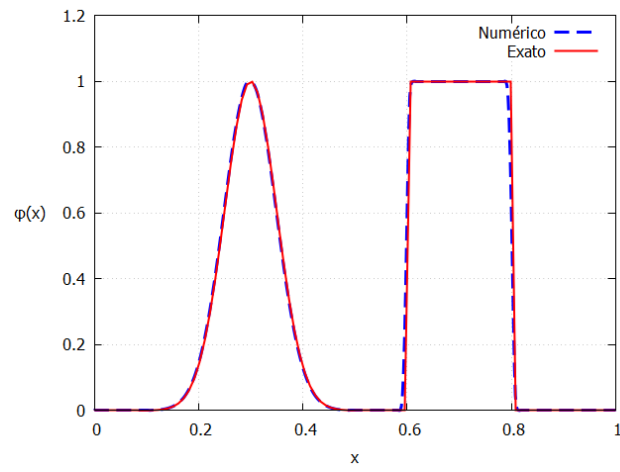


(b) Superbee

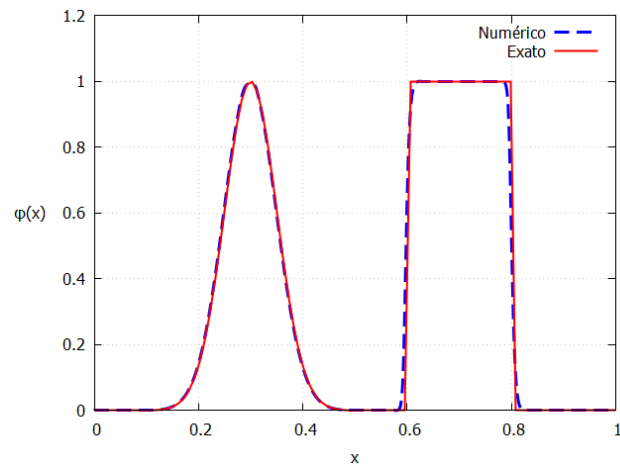


(c) MC

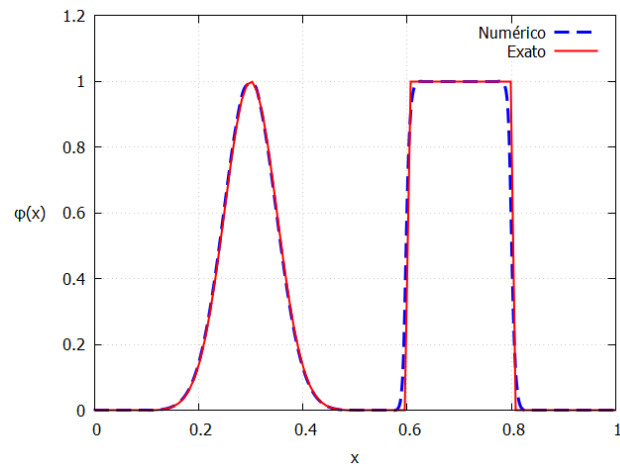
Figura 7: Comparação de resultados em  $t = 2$  s ( $\Delta x = L/200$ ,  $\Delta t = 0,008$ ).



(a) Minmod



(b) Superbee



(c) MC

Figura 8: Comparação de resultados em  $t = 2$  s ( $\Delta x = L/500$ ,  $\Delta t = 0,0032$ ).