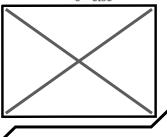


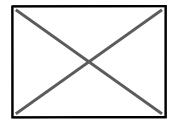
$$\Psi(t) \ = \begin{cases} 1 & 0 \le t < \frac{1}{2} \\ -1 & \frac{1}{2} \le t < 1 \\ 0 & \text{else} \end{cases}$$



Ricker Waylet

(Wang 2015, p112)

$$\Psi(t) \; = \; \left(1 - \frac{1}{2} \, \omega_{\rm p}^2 \, {\rm t}^2\right) \, {\rm e}^{\frac{1}{4} \omega_{\rm p}^2 \, {\rm t}^2}$$



References

Hans-Georg Stark (2005). Wavelets and Signal Processing, An Application-Based Introduction.

©Springer-Verlag Berlin Heidelberg 2005.

Yanghua Wang (January 2015). The Ricker wavelet and the Lambert W function. Geophysical Journal International, Volume 200, Issue 1, January 2015, Pages 111–115. Published: November 3rd, 2014. https://doi.org/10.1093/gji/ggu384







