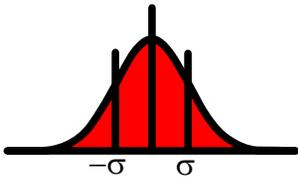
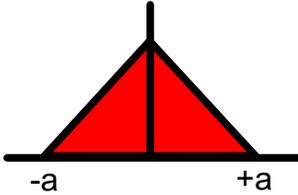
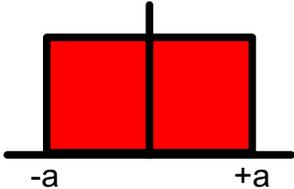
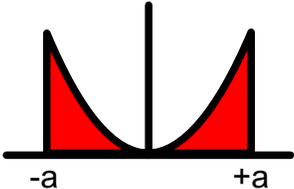
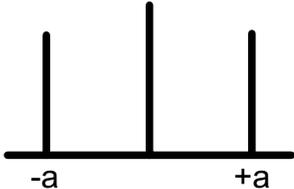


Distributions for Uncertainty Evaluation

Type	Normal	Triangular	Rectangular	U-shaped	Resolution
Graphic Representation					
Equivalent Standard Deviation	$s = \sigma$	$s = \frac{a}{\sqrt{6}} \approx 0.4a$	$s = \frac{a}{\sqrt{3}} \approx 0.6a$	$s = \frac{a}{\sqrt{2}} \approx 0.7a$	$s = \frac{a}{2\sqrt{3}} \approx 0.3a$
Use	Type A evaluations. Type B evaluations, when the standard deviation, or a number of standard deviations can be estimated directly.	When 'hard' limits can be estimated easier than sigma, e.g.: - Noise - Vibration	When only the variation limits are known, e.g.: - Calibration Certificates - Manufacturer's Specifications	For cyclic influences, e.g.: - Temperature Variation	When resolution is limited, e.g.: - Digital Readout - Verniers - Scale read by Operator



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