appVersion(4) = "1.0.8206.25180"

Shows the substitution in the expression E# of the values in V# with N# decimal places.
The values in V# have to be ordered in the same way as Unknows(E#)

$$show(E\#, V\#, N\#) := \left| \begin{array}{l} X\# := 0 \quad k\# := [1..length(V\#)] \quad X\#_{k\#} := eval\left(round\left(V\#_{k\#}, N\#\right)\right) \\ E\# = E\#\big|_{X\#} = eval\left(round\left(E\#\big|_{X\#}, N\#\right)\right) \end{array} \right|$$

Example

$$Clear(a, b, c, d) = 1 \qquad E := \frac{\sqrt{a}\cdot b}{c^2 + d^2} \qquad V := \left[\begin{array}{cccc} 1.8\ cm^2 & 0.6\ J & 23\ cm^2 & 35\ cm^2 \end{array}\right]$$

$$show(E, V, 6) = \left[\frac{\sqrt{a}\cdot b}{c^2 + d^2} = \frac{\sqrt{0.00018\ m^2}\ 0.6\ \frac{kg\ m^2}{s^2}}{\left(0.0023\ m^2\right)^2 + \left(0.0035\ m^2\right)^2} = 458.942116\ \frac{kg}{m\ s^2} \right]$$

Actual value: $E\big|_V = 458.942116\ Pa$

Just rounding it's a bad approach to make calculus. Notice the high round off error here

$$show(E, V, 4) = \left[\frac{\sqrt{a}\cdot b}{c^2 + d^2} = \frac{\sqrt{0.0002\ m^2}\ 0.6\ \frac{kg\ m^2}{s^2}}{\left(0.0023\ m^2\right)^2 + \left(0.0035\ m^2\right)^2} = 483.7675\ \frac{kg}{m\ s^2} \right]$$

Alvaro