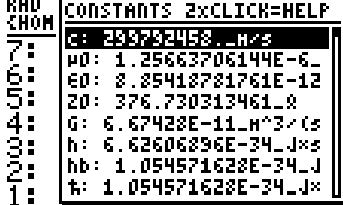
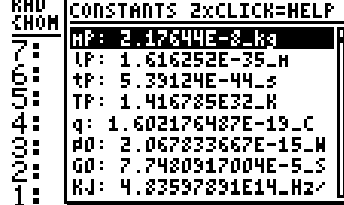
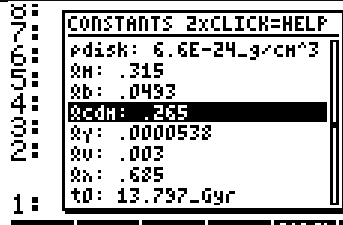
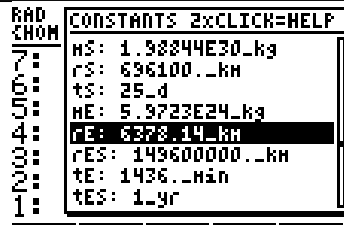
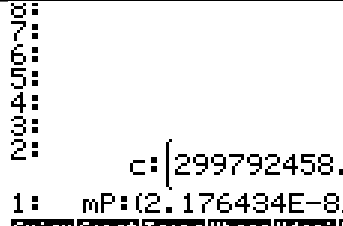
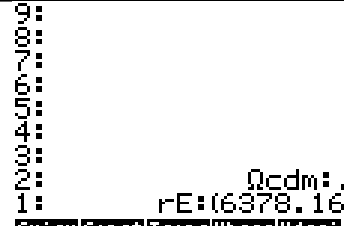
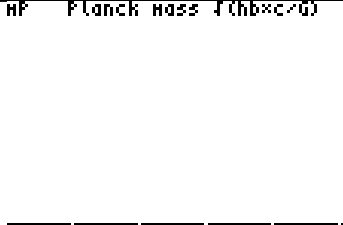
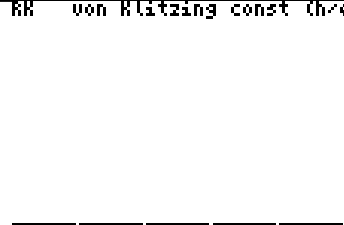
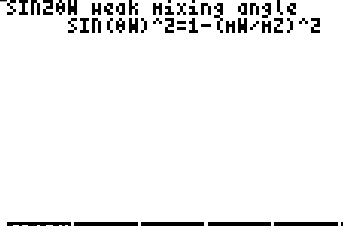

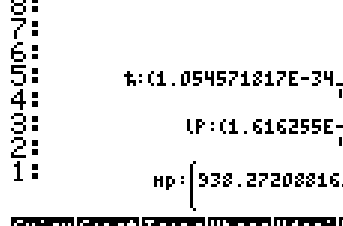
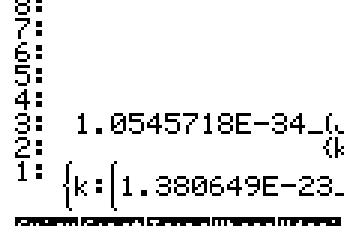
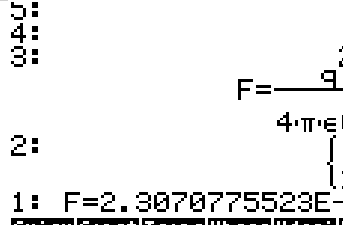
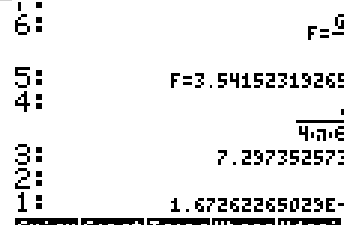
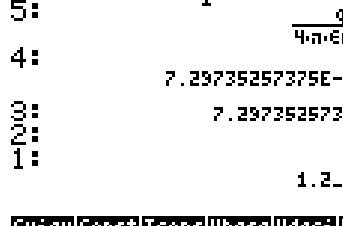
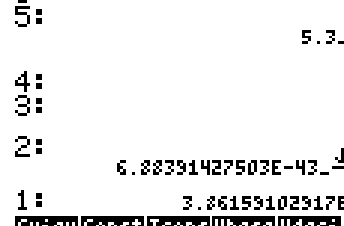




CONSTANT

Cview: view and select ~170 physical constants from choose box (0.1s)		
Cview: view and select ~170 physical constants from choose box		
[OK] puts copy on stack		
Cview: double click gives help		
Cview: double click gives help		
Const: Planck constant, Planck length, proton mass (0.2s)		
expression, list of constants (0.5s)		
Tconst: insert constants and variables in term (2.5s)		
Tconst: term to derived SI-units (2s)		
Ubase: basic SI-units (0.2s)		
Uderi: derived SI-units (1.4s)		

Ubval: convert to basic SI units and then to number (0.5s) Uval: unit to number (0.3s)	<pre> 7: 6: 5: 4: 3: 2: 1: </pre> $l = \frac{h}{m_e c} = \frac{6.62606957 \times 10^{-34} \text{ J}\cdot\text{s}}{9.10938356 \times 10^{-31} \text{ kg} \cdot 2.99792458 \times 10^8 \text{ m/s}} = 7.28314275035 \times 10^{-13} \text{ m}$ <pre> 1: l=7.28314275035E-13 Cuiew Const Tconst Ubase Uderi Uuval </pre>	<pre> 6: 5: 4: 3: 2: 1: </pre> $h_p = \frac{h}{m_p} = \frac{6.62606957 \times 10^{-34} \text{ J}\cdot\text{s}}{1.6726219 \times 10^{-27} \text{ kg}} = 3.926000001 \times 10^{-8} \text{ m}$ <pre> 1: h_p=3.926000001E-08 Cuiew Const Tconst Ubase Uderi Uuval </pre>
Tconst:	<pre> 5: 4: 3: 2: 1: </pre> $F = \frac{G m_e m_s}{r^2} = \frac{6.67430 \times 10^{-11} \text{ N}\cdot\text{m}^2/\text{kg}^2 \cdot 9.10938356 \times 10^{-31} \text{ kg} \cdot 1.6726219 \times 10^{-27} \text{ kg}}{(1.609 \times 10^{-10} \text{ m})^2} = 3.5414461037 \times 10^{-22} \text{ N}$ <pre> 1: F=3.5414461037E-22_N ExFor SOFA MEIER SOIER BUCH SOIER </pre>	<pre> 4: 3: 2: 1: </pre> $F = \frac{2 \cdot q^2}{4 \cdot \pi \cdot \epsilon_0 \cdot r^2} = \frac{2 \cdot (1.602176634 \times 10^{-19} \text{ C})^2}{4 \cdot \pi \cdot 8.854187817 \times 10^{-12} \text{ F/m} \cdot (1.609 \times 10^{-10} \text{ m})^2} = 6.92123265702 \times 10^{-10} \text{ N}$ <pre> 1: F=6.92123265702E-10 Cuiew Const Tconst Ubase Uderi Conus </pre>
Tconst, Convert:	<pre> 6: 5: 4: 3: 2: 1: </pre> $E = m_e c^2 = 9.10938356 \times 10^{-31} \text{ kg} \cdot (2.99792458 \times 10^8 \text{ m/s})^2 = 8.18710565 \times 10^{-14} \text{ J} = 0.5109989461 \text{ MeV}$ <pre> 1: E=0.5109989461_MeV Cuiew Const Tconst Ubase Uderi Conus </pre>	<pre> 6: 5: 4: 3: 2: 1: </pre> $K_{\text{Koide}} = \frac{m_e + m_\mu + m_\tau}{(\sqrt{m_e} + \sqrt{m_\mu} + \sqrt{m_\tau})^2} = \frac{0.5109989461 + 0.1056583745 + 0.00177686 \text{ MeV}}{(\sqrt{0.5109989461} + \sqrt{0.1056583745} + \sqrt{0.00177686})^2} = 0.666660512346$ <pre> 1: Koide=0.666660512346 Cuiew Const Tconst Ubase Uderi Conus </pre>
Help to all programs page 1,2 (0.1s)	<pre> CONSTANTS OF NATURE FROM CODATA, PARTICLE DATA GROUP T = SYMBOL, TERM, LIST T.U = TERM WITH UNITS T.U.D = TERM WITH DERIVED SI-UNITS Cuiew - + - VIEW OR SELECT CONSTANTS FROM CHOOSEBOX OR = CONST TO STACK 2xOR,ENTER = VIEW HELP Const T + T.U CONSTANTS ARE INSERTED +SKIP SKIP+ +DEL DEL+ DEL L INS= </pre>	<pre> Tconst T.U + T.U.D TERM WITH DERIVED SI-UNITS Ubase T.U + T.U.D CONVERT TO BASIC SI-UNITS Uderi T.U + T.U.D CONVERTS TO DERIVED SI-UNITS Convert T.U T.U' + T.U' CONVERT UNITS IN TERM Uuval T.U + T CONVERT TO BASIC SI-UNITS THEN OMIT UNITS +SKIP SKIP+ +DEL DEL+ DEL L INS= </pre>
Help to all programs page 3 (0.1s) Cadd: add new constant	<pre> Uuval T.U + T OMIT UNITS Cedit EDIT Leon FROM PORT 2 Cadd ADD NEW CONST TO Leon CONSTANTS: UNIVERSAL ELECTRO MAGNETIC ATOMIC NUCLEAR PHYSICO CHEMICAL PARTICLE MASSES ASTROPHYSICAL +SKIP SKIP+ +DEL DEL+ DEL L INS= </pre>	<pre> add constant { name value unit "name help" } [ENTER] skips \$ 1 Uuval HelpC Cedit Cadd </pre>