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AROMATIC-ALIPHATIC COMPOUNDS

Contribution from the three structures V-VII stabilizes the benzyl radical more than it lowers the energy of the radical evidently amounts to 19 kcal/mol. Hence, that the benzyl radical is stabilized by resonance to a greater extent than the allyl radical.

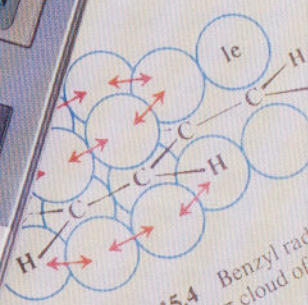


Figure 15.4 Benzyl radical overlaps the π cloud of the benzene ring.

Like the allyl radical (10.9). Here the p orbital of the radical carbon overlaps with the p orbitals of the adjacent carbon, and with the π system of the benzene ring.

Problem 15.6
the same planar arrangement.

Problem 15.7
the same planar arrangement for these radicals.

15.16

by

TI-36 SOLAR

A science whiz that never needs batteries.

The TI-36 SOLAR packs 89 scientific functions into an easy-to-use calculator. It's especially handy for computer science classes.

Even at extra-low light levels, the TI-36 SOLAR's specially designed ANYLITE™ solar cells provide power for your calculations. What's more, there's no need to worry about batteries during quizzes, exams and other situations that demand fast answers.

Scientific functions include common and natural logarithms, powers, factorials, reciprocals, combinations, permutations, complex numbers, roots, polar/rectangular conversions and trigonometric calculations, including inverses, in degrees, radians or grads.

Statistical functions include mean and standard deviation. Normal distribution functions can handle Z-scores and other statistical data needs.

Entering problems is easier than ever, with the AOS™ algebraic operating system that lets you work from left to right... as problems are usually written.

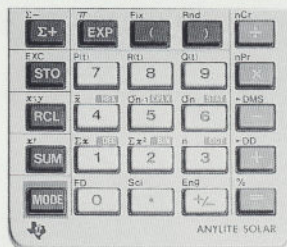
Perform calculations in binary, octal, decimal or hexadecimal number bases. Convert numbers from one base to another and perform mixed calculations. Display results in floating decimal, scientific or engineering notation. The 10-digit/2-exponent display shows 13 mode or status indicators to help you through problems, step-by-step.

Also included: a manual with a quick reference guide for summaries of most-used functions at a glance. Plus a vinyl wallet.

The TI-36 SOLAR. It has the features that you need most down to a science.

Special Features

- Ideal for math, science, computer math and statistical problems.
- Performs 89 easy-to-use functions.



- ANYLITE™ solar cells allow operation in extra-low light levels.

ANYLITESOLAR™
Dependable In Any Light.

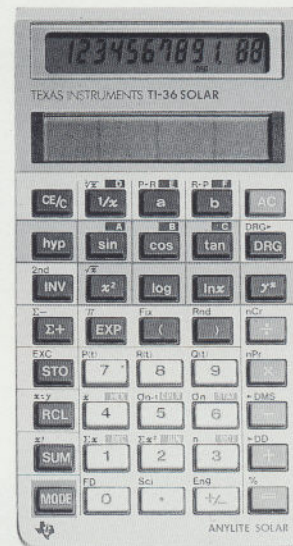
- AOS™ operating system allows simple, straightforward problem entry.
- Scientific functions include common and natural logarithms, reciprocals, powers, roots, factorials, combinations, permutations, hyperbolic, complex numbers, polar/rectangular conversions and trigonometric calculations, including inverses, in degrees, radians or grads.
- Statistical functions and normal distribution.
- Enter numbers and perform calculations in binary, octal, decimal or hexadecimal number bases. Convert numbers. Perform mixed calculations.
- Floating decimal, scientific notation, or engineering notation.
- 10-digit/2-exponent display with 13 mode or status indicators.



- Manual and vinyl wallet.

Specifications

Display: 10-digit/2-exponent LCD
Size: 5.3 x 2.9 x 0.35 inches
Weight: 3.5 ounces
Power: ANYLITE™ solar



Limited Warranty

The TI-36 SOLAR calculator is covered by a one-year limited warranty against defects in materials and workmanship. The full text of this warranty is published in the manual accompanying the TI-36 SOLAR.

Texas Instruments reserves the right to make changes in the materials and specifications without notice.



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