

○ Deflection angle & Deflection ○

	Deflection angle	Deflection
	$\phi_B = \frac{Pl^2}{2EI}$	$\delta_B = \frac{Pl^3}{3EI}$
	$\phi_B = \frac{wl^3}{6EI}$	$\delta_B = \frac{wl^4}{8EI}$
	$\phi_A = \frac{wl^3}{24EI}$	$\delta_C = \frac{5wl^4}{384EI}$
	$\phi_A = \frac{Pl^2}{16EI}$	$\delta_C = \frac{Pl^3}{48EI}$
	$\phi_A = \frac{MI}{3EI}$	$\delta_C = \frac{MI^2}{16EI}$
	$\phi_B = \frac{7wl^3}{48EI}$	$\delta_B = \frac{41wl^4}{384EI}$
	$\phi_B = \phi_C = \frac{wl^3}{48EI}$	$\delta_C = \frac{wl^4}{128EI}$

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Ensheng Dong



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Table of Contents Structural Engineering Formulas

1. Understanding the eBook Structural Engineering Formulas
 - The Rise of Digital Reading Structural Engineering Formulas
 - Advantages of eBooks Over Traditional Books
2. Identifying Structural Engineering Formulas
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Structural Engineering Formulas
 - User-Friendly Interface
4. Exploring eBook Recommendations from Structural Engineering Formulas
 - Personalized Recommendations
 - Structural Engineering Formulas User Reviews and Ratings
 - Structural Engineering Formulas and Bestseller Lists
5. Accessing Structural Engineering Formulas Free and Paid eBooks
 - Structural Engineering Formulas Public Domain eBooks

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- Structural Engineering Formulas Budget-Friendly Options
- 6. Navigating Structural Engineering Formulas eBook Formats
 - ePub, PDF, MOBI, and More
 - Structural Engineering Formulas Compatibility with Devices
 - Structural Engineering Formulas Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Structural Engineering Formulas
 - Highlighting and Note-Taking Structural Engineering Formulas
 - Interactive Elements Structural Engineering Formulas
- 8. Staying Engaged with Structural Engineering Formulas
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Structural Engineering Formulas
- 9. Balancing eBooks and Physical Books Structural Engineering Formulas
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Structural Engineering Formulas
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Structural Engineering Formulas
 - Setting Reading Goals Structural Engineering Formulas
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Structural Engineering Formulas
 - Fact-Checking eBook Content of Structural Engineering Formulas
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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