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Bulge Formulas

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List of 20 Bulge Formulas

Bulge

Area of Bulge

1) Area of Bulge

Open Calculator

fx $A = 4 \cdot r^2$

ex $100\text{m}^2 = 4 \cdot (5\text{m})^2$

2) Area of Bulge given Height

Open Calculator

fx $A = h^2$

ex $100\text{m}^2 = (10\text{m})^2$

3) Area of Bulge given Perimeter

Open Calculator

fx $A = \left(\frac{P}{\pi + 2}\right)^2$

ex $94.5681\text{m}^2 = \left(\frac{50\text{m}}{\pi + 2}\right)^2$

4) Area of Bulge given Width

Open Calculator

fx $$A = \frac{w^2}{4}$$

ex $$100\text{m}^2 = \frac{(20\text{m})^2}{4}$$

Height of Bulge

5) Height of Bulge

Open Calculator

fx $$h = 2 \cdot r$$

ex $$10\text{m} = 2 \cdot 5\text{m}$$

6) Height of Bulge given Area

Open Calculator

fx $$h = \sqrt{A}$$

ex $$10\text{m} = \sqrt{100\text{m}^2}$$

7) Height of Bulge given Perimeter

Open Calculator

fx $$h = \frac{P}{\pi + 2}$$

ex $$9.724613\text{m} = \frac{50\text{m}}{\pi + 2}$$

8) Height of Bulge given Width

Open Calculator

fx $$h = \frac{w}{2}$$

ex $$10\text{m} = \frac{20\text{m}}{2}$$

Perimeter of Bulge

9) Perimeter of Bulge

Open Calculator

fx $$P = 2 \cdot (\pi + 2) \cdot r$$

ex $$51.41593\text{m} = 2 \cdot (\pi + 2) \cdot 5\text{m}$$

10) Perimeter of Bulge given Area

Open Calculator

fx $$P = (\pi + 2) \cdot \sqrt{A}$$

ex $$51.41593\text{m} = (\pi + 2) \cdot \sqrt{100\text{m}^2}$$

11) Perimeter of Bulge given Height

Open Calculator

fx $$P = (\pi + 2) \cdot h$$

ex $$51.41593\text{m} = (\pi + 2) \cdot 10\text{m}$$

12) Perimeter of Bulge given Width

Open Calculator

fx $$P = (\pi + 2) \cdot \frac{w}{2}$$

ex $$51.41593\text{m} = (\pi + 2) \cdot \frac{20\text{m}}{2}$$

Radius of Bulge

13) Radius of Bulge

Open Calculator

fx $$r = \sqrt{\frac{A}{4}}$$

ex $$5\text{m} = \sqrt{\frac{100\text{m}^2}{4}}$$

14) Radius of Bulge given Height

Open Calculator

fx $$r = \frac{h}{2}$$

ex $$5\text{m} = \frac{10\text{m}}{2}$$

15) Radius of Bulge given Perimeter

Open Calculator

fx $$r = \frac{P}{2 \cdot (\pi + 2)}$$

ex $$4.862307\text{m} = \frac{50\text{m}}{2 \cdot (\pi + 2)}$$

16) Radius of Bulge given Width

Open Calculator

fx $$r = \frac{w}{4}$$

ex $$5\text{m} = \frac{20\text{m}}{4}$$

Width of Bulge

17) Width of Bulge

Open Calculator

fx $$w = 4 \cdot r$$

ex $$20\text{m} = 4 \cdot 5\text{m}$$

18) Width of Bulge given Area

Open Calculator

fx $$w = \sqrt{A \cdot 4}$$

ex $$20\text{m} = \sqrt{100\text{m}^2 \cdot 4}$$

19) Width of Bulge given Height

Open Calculator

fx $w = 2 \cdot h$

ex $20\text{m} = 2 \cdot 10\text{m}$

20) Width of Bulge given Perimeter

Open Calculator

fx $w = 2 \cdot \frac{P}{\pi + 2}$

ex $19.44923\text{m} = 2 \cdot \frac{50\text{m}}{\pi + 2}$

Variables Used

- **A** Area of Bulge *(Square Meter)*
- **h** Height of Bulge *(Meter)*
- **P** Perimeter of Bulge *(Meter)*
- **r** Radius of Bulge *(Meter)*
- **w** Width of Bulge *(Meter)*

Constants, Functions, Measurements used

- Constant: **pi**, 3.14159265358979323846264338327950288
  Archimedes' constant
- Function: **sqrt**, sqrt(Number)
  Square root function
- Measurement: **Length** in Meter (m)
  Length Unit Conversion
- Measurement: **Area** in Square Meter (m²)
  Area Unit Conversion

Check other formula lists

- Annulus Formulas
- Antiparallelogram Formulas
- Arrow Hexagon Formulas
- Astroid Formulas
- Bulge Formulas
- Cardioid Formulas
- Circular Arc Quadrangle Formulas
- Concave Pentagon Formulas
- Concave Regular Hexagon Formulas
- Concave Regular Pentagon Formulas
- Crossed Rectangle Formulas
- Cut Rectangle Formulas
- Cyclic Quadrilateral Formulas
- Cycloid Formulas
- Decagon Formulas
- Dodecagon Formulas
- Double Cycloid Formulas
- Fourstar Formulas
- Frame Formulas
- Golden Rectangle Formulas
- Grid Formulas
- H Shape Formulas
- Half Yin-Yang Formulas
- Heart Shape Formulas
- Hendecagon Formulas
- Heptagon Formulas
- Hexadecagon Formulas
- Hexagon Formulas
- Hexagram Formulas
- House Shape Formulas
- Hyperbola Formulas
- Hypocycloid Formulas
- Isosceles Trapezoid Formulas
- L Shape Formulas
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- Nonagon Formulas
- Octagon Formulas
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- Open Frame Formulas
- Parallelogram Formulas
- Pentagon Formulas
- Pentagram Formulas
- Polygram Formulas
- Quadrilateral Formulas
- Quarter Circle Formulas
- Rectangle Formulas
- Rectangular Hexagon Formulas
- Regular Polygon Formulas
- Reuleaux Triangle Formulas

- Rhombus Formulas
- Right Trapezoid Formulas
- Round Corner Formulas
- Salinon Formulas
- Semicircle Formulas
- Sharp Kink Formulas
- Square Formulas
- Star of Lakshmi Formulas
- T Shape Formulas
- Tangential Quadrilateral Formulas
- Trapezoid Formulas
- Tri-equilateral Trapezoid Formulas
- Truncated Square Formulas
- Unicursal Hexagram Formulas
- X Shape Formulas

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