FIGURE GEOMETRICHE

IN 2D

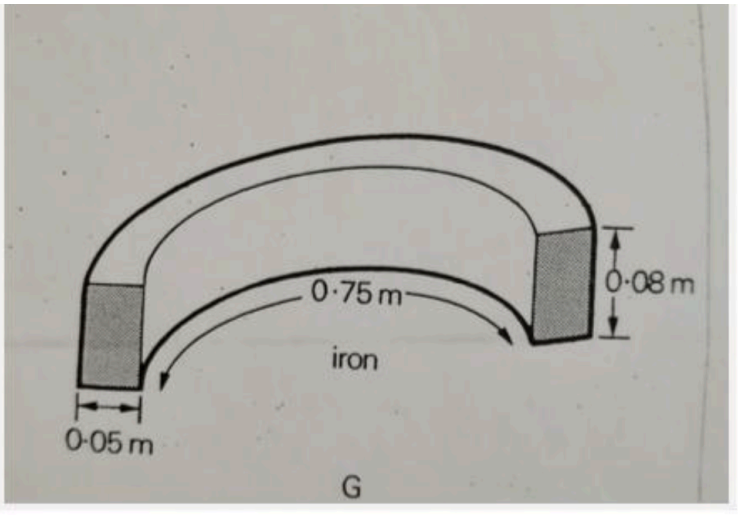
- Circle, cerchio
- Oval, ovale
- Triangle, triangolo
- Square, quadrato
- Rectangle, rettangolo
- Rhombus, rombo
- Trapezium, trapezio
- Pentagon, pentagono
- Hexagon, esagono

IN 3D

- Cube, cubo
- Sphere, sfera
- Cylinder, cilindro
- Cone, cono
- Pyramid, piramide
- Prism, prisma
- Ellipsoid, ellissoide

GEOMETRY

Give a scientific description of what you see



The drawing shows a curved bar with three basic dimensions: a thickness of 0.05 meters, a height of 0.08 meters, and a length along the curve of 0.75 meters. Its curved nature means that its behavior under loads needs special consideration compared to a straight element. The

precise measurements provided allow for the necessary calculations to assess factors like bending stress and overall strength. This simple representation is an essential tool for analyzing how the shape and dimensions of the object affect its performance in various applications.

Arithmetic and Basic Symbols

- **+** *Plus* (in inglese) / *Più* (in italiano)
- **−** *Minus* / *Meno*
- **×** or **·** *Multiplication sign* / *Segno di moltiplicazione*
- **÷** or **/** *Division sign* / *Segno di divisione*
- **=** *Equals* / *Uguale*
- **≠** *Not equal to* / *Non uguale a/diverso da*
- **<** *Less than* / *Minore di*
- **>** *Greater than* / *Maggiore di*
- **≤** *Less than or equal to* / *Minore o uguale a*
- **≥** *Greater than or equal to* / *Maggiore o uguale a*
- **±** *Plus or minus* / *Più o meno*
- **−** divided by / *fratto*

Algebra, Geometry, and Calculus Symbols

- √ *Square root* / *Radice quadrata*
- ∛ *Cube root* / _Radice cubica__
- ∞ *Infinity* / *Infinito*
- **δ** *Lowercase delta* (piccolo cambiamento) / *Delta minuscolo*
- **≈** *Approximately equal to* / *Approssimativamente uguale a*

Logic Operators

- ∧ *Logical and (conjunction)* / *E logico (congiunzione)*
- ∨ *Logical or (disjunction)* / *O logico (disgiunzione)*

Miscellaneous

- **°** *Degree* (for angles) / *Grado*
- **′** *Prime* (used for derivatives or minutes) / *Prime*
- **″** *Double prime* / *Doppio prime*
- **%** *Percent* / *Percentuale/percento*

Esempi:

Arithmetic and Basic Symbols

- **+ (Plus / Più)** *Example:*
  - Words: "One plus two equals three."
  - Expression: `1 + 2 = 3`
- **− (Minus / Meno)** *Example:*
  - Words: "Five minus two equals three."
  - Expression: `5 − 2 = 3`
- **× or · (Multiplication sign / Segno di moltiplicazione)** *Example:*
  - Words: "Three times four equals twelve."
  - Expression: `3 × 4 = 12` *(Alternatively:* `3 · 4 = 12`*)*
- **÷ or / (Division sign / Segno di divisione)** *Example:*
  - Words: "Eight divided by two equals four."
  - Expression: `8 ÷ 2 = 4` *(Alternatively:* `8 / 2 = 4`*)*
- **= (Equals / Uguale)** *Example:*
  - Words: "Two plus two equals four."
  - Expression: `2 + 2 = 4`
- **≠ (Not equal to / Non uguale a/diverso da)** *Example:*
  - Words: "Three plus one is not equal to five."
  - Expression: `3 + 1 ≠ 5`
- **< (Less than / Minore di)** *Example:*
  - Words: "Two is less than five."
  - Expression: `2 < 5`
- **> (Greater than / Maggiore di)** *Example:*
  - Words: "Eight is greater than three."
  - Expression: `8 > 3`
- **≤ (Less than or equal to / Minore o uguale a)** *Example:*
  - Words: "Four is less than or equal to four."
  - Expression: `4 ≤ 4`
- **≥ (Greater than or equal to / Maggiore o uguale a)** *Example:*
  - Words: "Seven is greater than or equal to six."
  - Expression: `7 ≥ 6`
- **± (Plus or minus / Più o meno)** *Example:*
  - Words: "Ten plus or minus three gives either thirteen or seven."

    - Expression: `10 ± 3`
- **(Division using a slash as "fratto")** *Example:*
    - Words: "Twelve divided by three equals four."
    - Expression: `12 / 3 = 4`

Algebra, Geometry, and Calculus Symbols

- **√ (Square root / Radice quadrata)** *Example:*
    - Words: "The square root of twenty-five equals five."
    - Expression: `√25 = 5`
- **∛ (Cube root / Radice cubica)** *Example:*
    - Words: "The cube root of twenty-seven equals three."
    - Expression: `∛27 = 3`
- **∞ (Infinity / Infinito)** *Example:*
    - Words: "The numbers increase without bound, tending toward infinity."
    - Expression: "n → ∞" *(or simply:* `∞` *represents a limitless value)*
- **δ (Lowercase delta / Delta minuscolo)** *Example:*
    - Words: "A small change in x is denoted by delta x, for example δx = 0.1."
    - Expression: `δx = 0.1`
- **≈ (Approximately equal to / Approssimativamente uguale a)** *Example:*
    - Words: "Pi is approximately equal to three point one four."
    - Expression: `π ≈ 3.14`

Logic Operators

- **∧ (Logical and / E logico, congiunzione)** *Example:*
    - Words: "A and B is true if both A and B are true."
    - Expression: `A ∧ B`
- **∨ (Logical or / O logico, disgiunzione)** *Example:*
    - Words: "A or B is true if at least one of A or B is true."
    - Expression: `A ∨ B`

Miscellaneous

- **° (Degree / Grado)** *Example:*
    - Words: "A right angle is ninety degrees."
    - Expression: `90°`
- **′ (Prime / Prime)** *Example:*
    - Words: "f prime of x denotes the derivative of function f."

    - Expression: `f′(x)`
- **″ (Double prime / Doppio prime)** *Example:*
    - Words: "f double prime of x denotes the second derivative of function f."
    - Expression: `f″(x)`
- **% (Percent / Percentuale/percento)** *Example:*
    - Words: "Fifty percent represents half of a quantity."
    - Expression: `50%`

Numeri con più zeri:
100 : one hundred
200: two hundred
125: one hundred and twenty five
315: three hundred and fifteen

1000: one thousand
2000: two thousand
2125: two thousand one hundred and twenty five
3315: three thousand three hundred and fifteen
