FreeCAD World

[notes]

Config types

[all types and values (except str("eg. Value or valUe")) are case sensetive]

• **int():** integers: (1, 2, 15, 144, 2048, etc);

• **float():** floating point numbers: (1.2, 2.3, 15.123, 144.9, 2048.1024, ¾, ½, etc);

• **bool():** boolean **True** or **False**, 1 or 0. (In real life is **On/Off**);

tuple(): in config used as <u>comma</u> separated tuple of integers or floats;

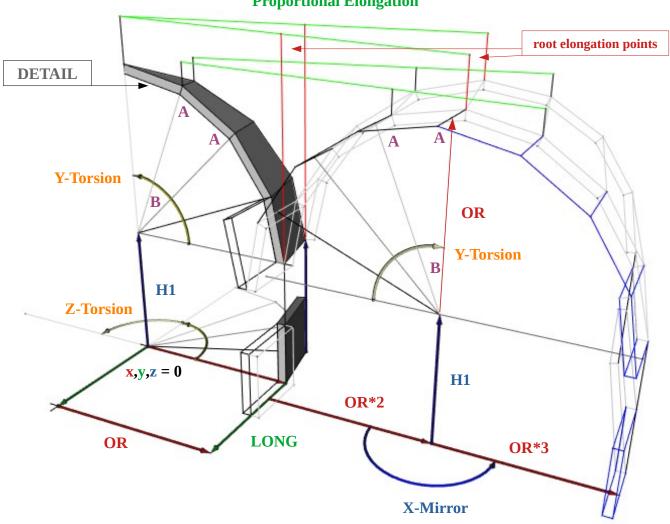
str(): string as any human readable words, eg str("CORNER");

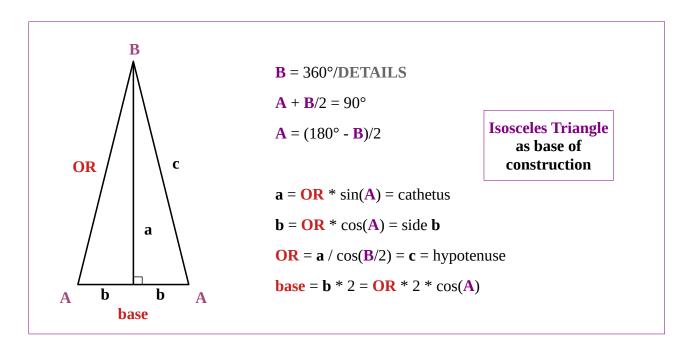
• **dict(): comma separated** dictionary of options: str(key) = value, where value may

be **one** of described above types;

The Principle

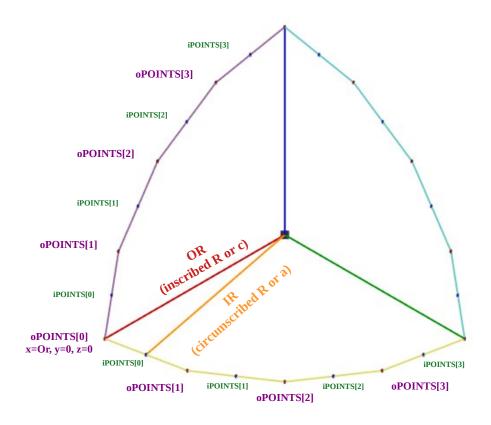
Proportional Elongation





Pointing

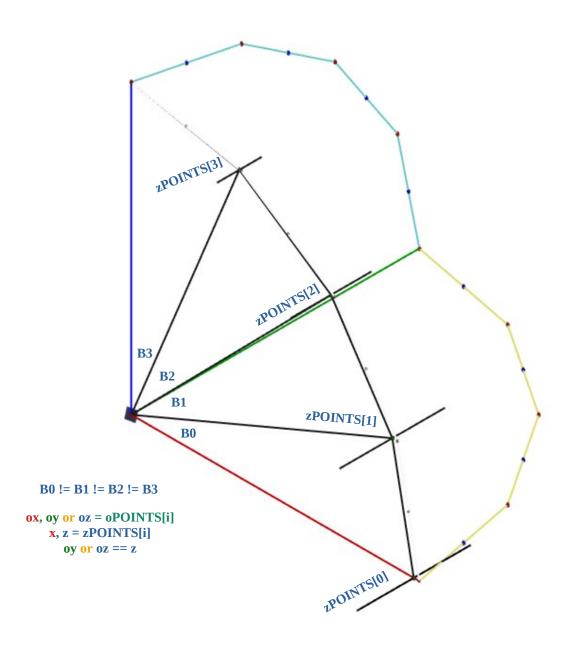
- oPOINTS;
- iPOINTS;



See:

- clockWiseArray(x, y);
- oi_pointing.FCStd

zPOINTS;



See:

- zPolyPoints(Or);
- z_pointing.FCStd;

```
def zPolyPoints(self, Or):
    """

    Receives: OR of inscribed into circle polygon;
    Returns: sequence of mid x, z points of base
    of isosceless triangle on y=0 and ZERO_Z=0;

"""

    OPOINTS = self.oPolyPoints(Or)
    points = list()
    for x, z in oPOINTS:
        x, y = self.firstSectionToCircumscribed(x, z)
        x, y = self.circumscribedCounterClockWiseOnce(x, y)
        points.append([ x, z ])
    return points
```