

Salaheddin University-Erbil
College of Engineering
Department of Architecture



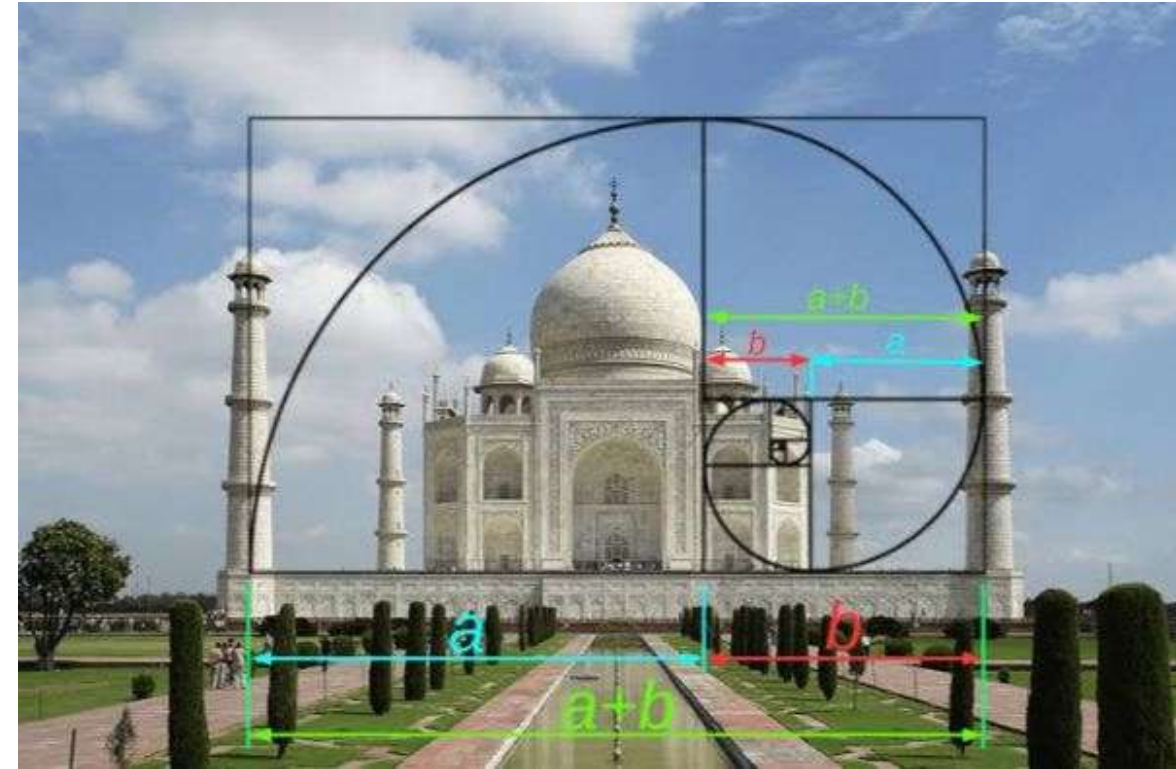
Phi Matrix Golden Ratio Design and Analysis Software

By : Saya Jamal Rashid

PhiMatrix™

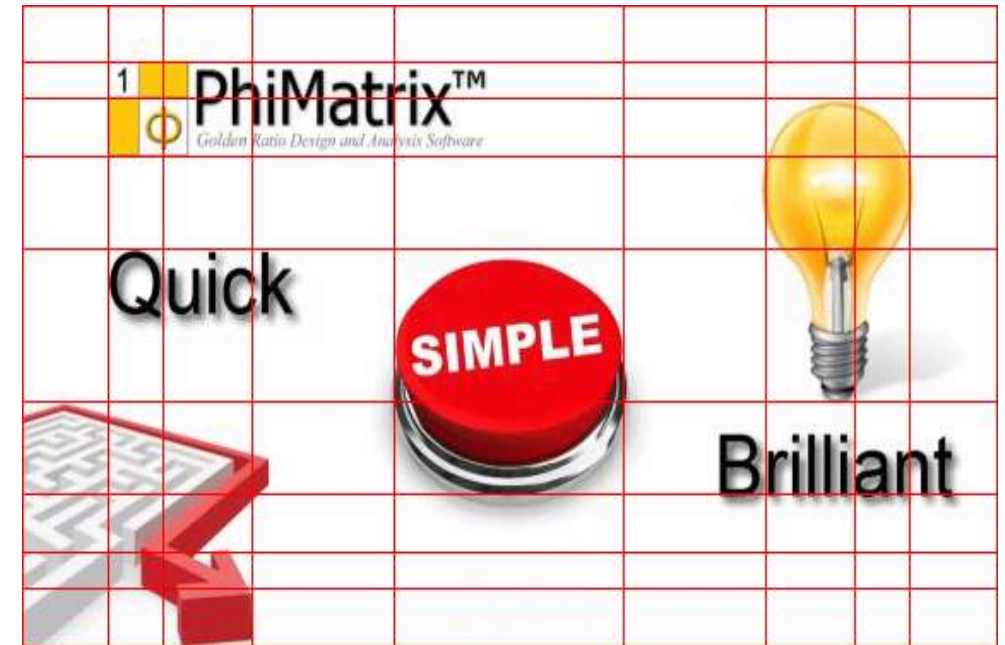


- Is graphic design and analysis software based on **Phi 1:1.618**.
- **The phi relationship, 1.618:1**, known as the **Golden Section** (also mean, proportion or ratio) and the **Divine proportion**, has long been used by **artists, architects, designers, engineers, musicians, photographers, sculptors**, and ect....



PhiMatrix

- **Gary B. Meisner** created based on "Phi 1.618 - The Golden Number" **in 2001**.
- **In 2004**, he developed Phi Matrix Golden Ratio Design and Analysis software ,which is used by **thousands of artists, architects, designers, and photographers** in over seventy countries, as well as in cosmetic medical and stock market analysis applications.
- **In 2018** he authored "**The Golden Ratio - The Divine Beauty of Mathematics**" with Quarto's Race Point Publishing Group, which sold in multiple international markets and translations before its October 2018 release.



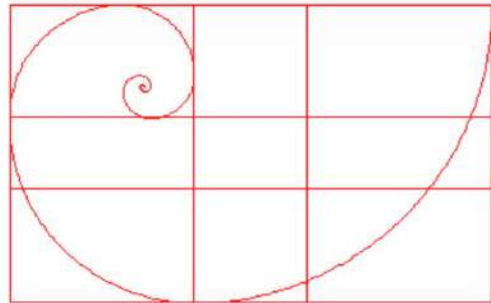
PhiMatrix have two version:

1. PhiMatrix Golden Ratio Design

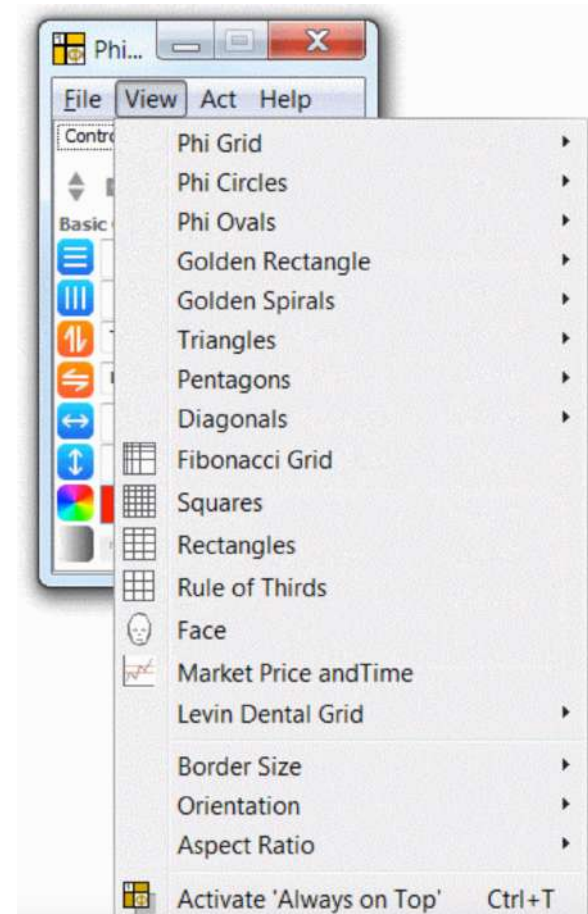


[PhiMatrix Golden Ratio Design Download](#)

Click on the Spiral icon to get a golden spiral:

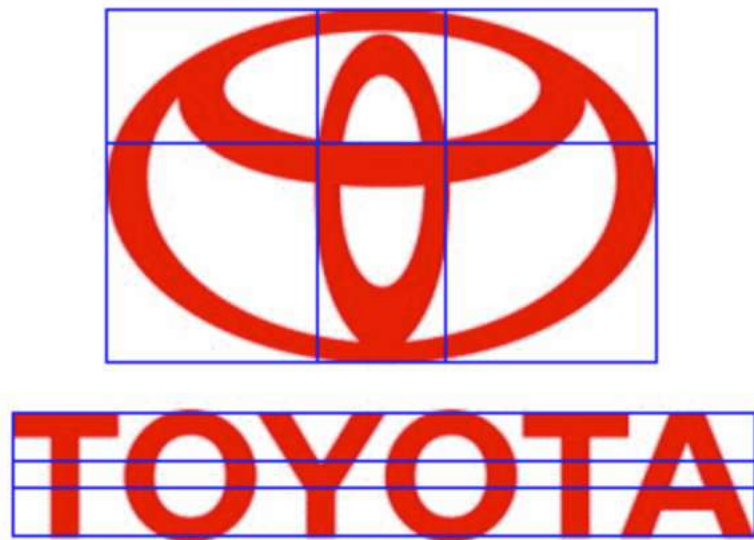


2. PhiMatrix 1.618 Pro



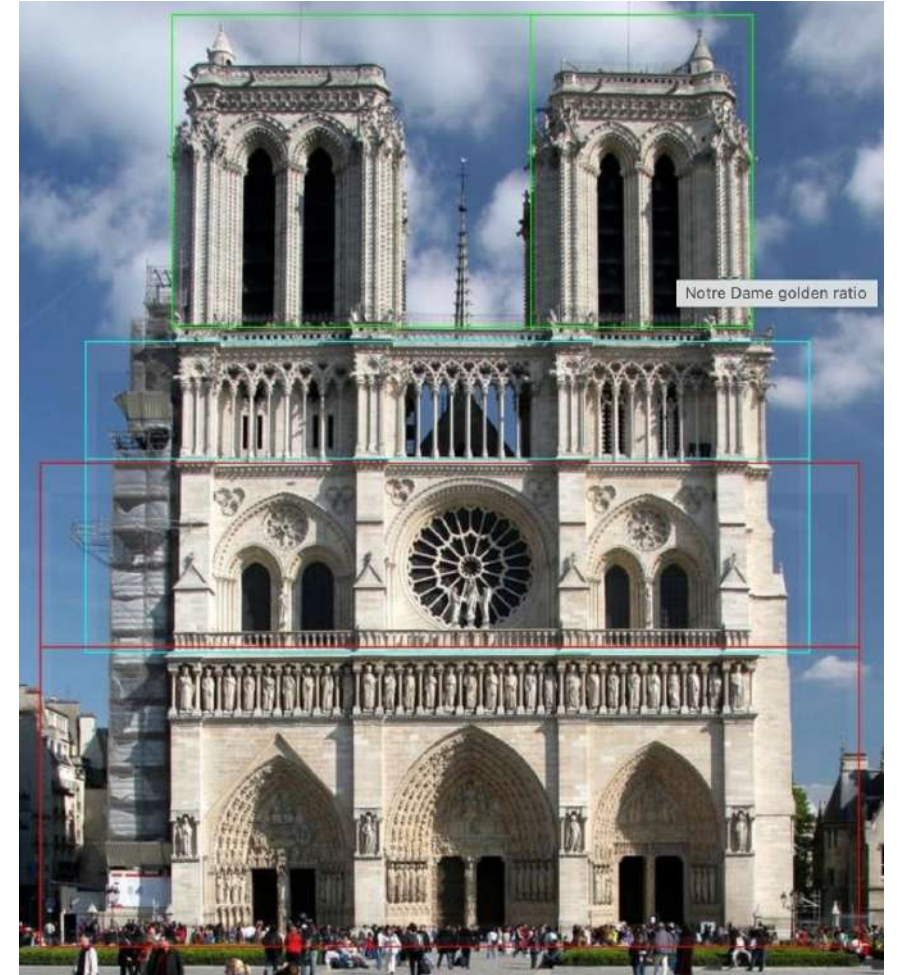
What can you create with PhiMatrix?

- The applications are limited only by your creativity: **Product design, graphic arts layout, fashion design, interior design, architecture, art, sculpture, photo composition and cropping, stock market analysis, beauty analysis, educating students on design in nature, and much more.**



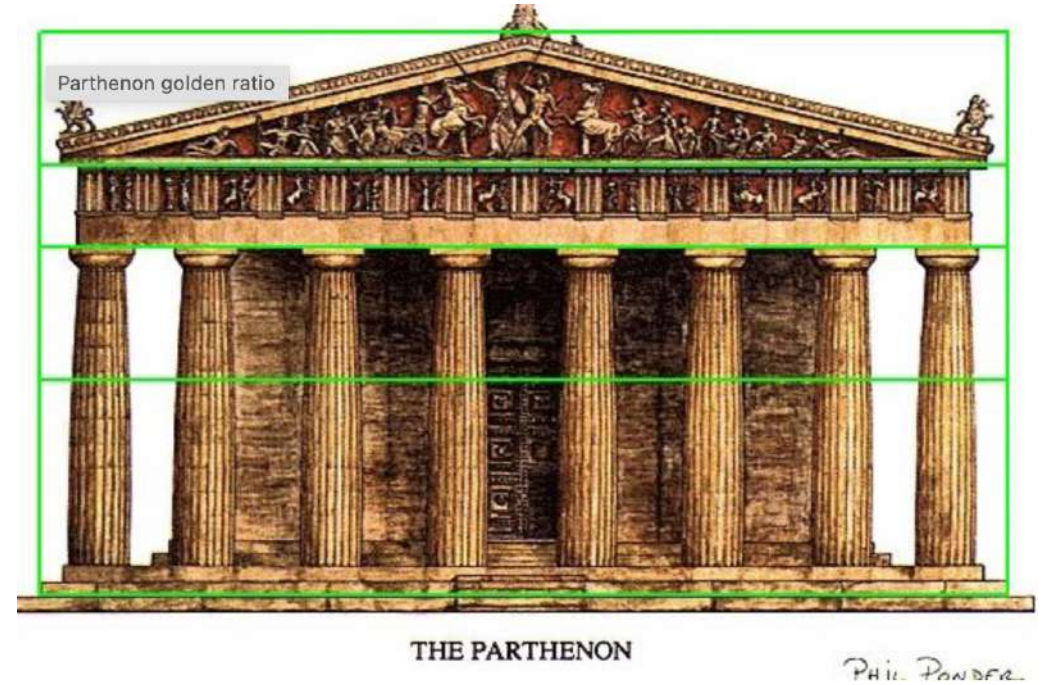
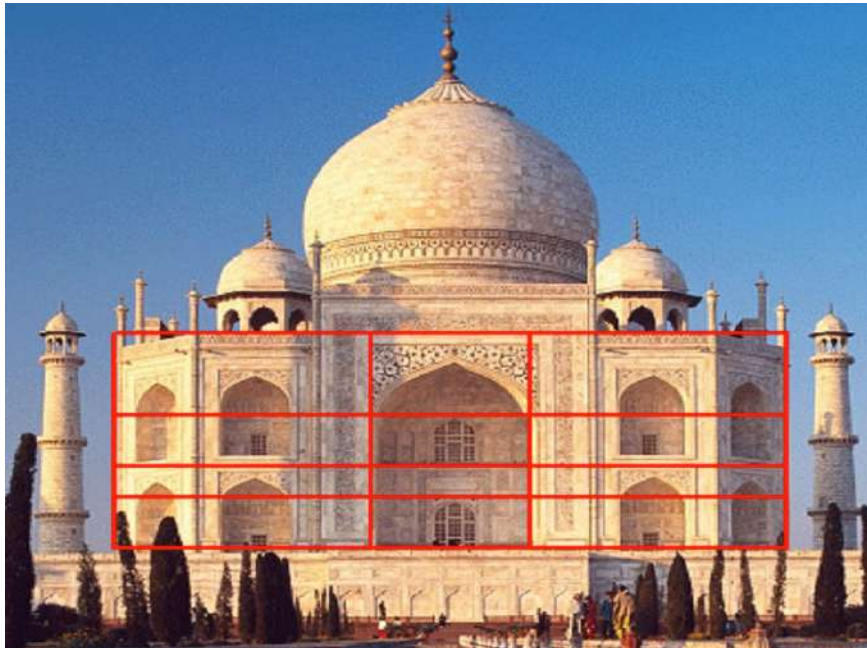
Architectural design

- The golden ratio appeared in architecture perhaps as early as the **Great Pyramid of Giza** and in the **Parthenon** of the **Acropolis in ancient Athens**.
- Golden ratio has continued to be **embraced by architects in harmonizing their architectural designs** with the **harmony and beauty of creation itself**.

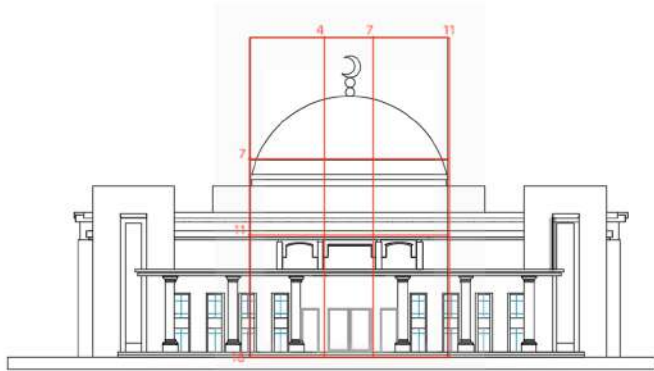


Architectural design

The Taj Mahal displays golden proportions in the width of its grand central arch to its width, and also in the height of the windows inside the arch to the height of the main section below the domes.



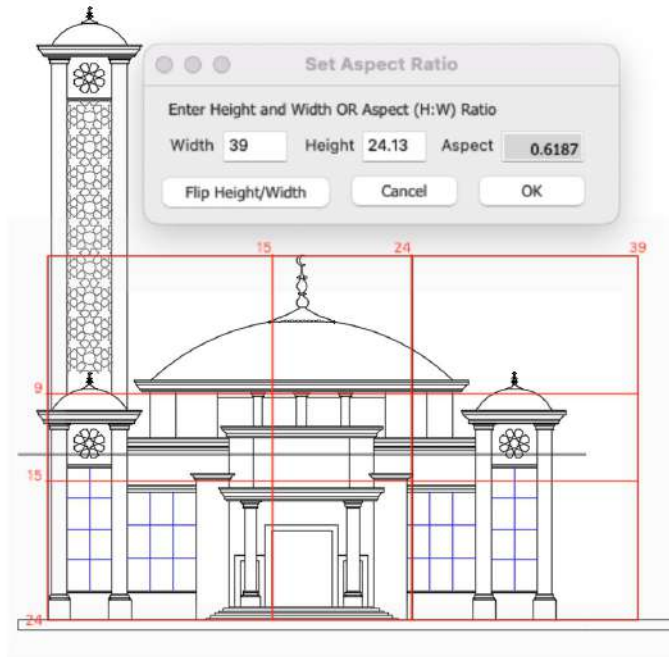
The Parthenon displays golden ratios in the height of the cross beams in relation to its height, and also in the rectangular designs below the sculptures.



Set Aspect Ratio

Enter Height and Width OR Aspect (H:W) Ratio

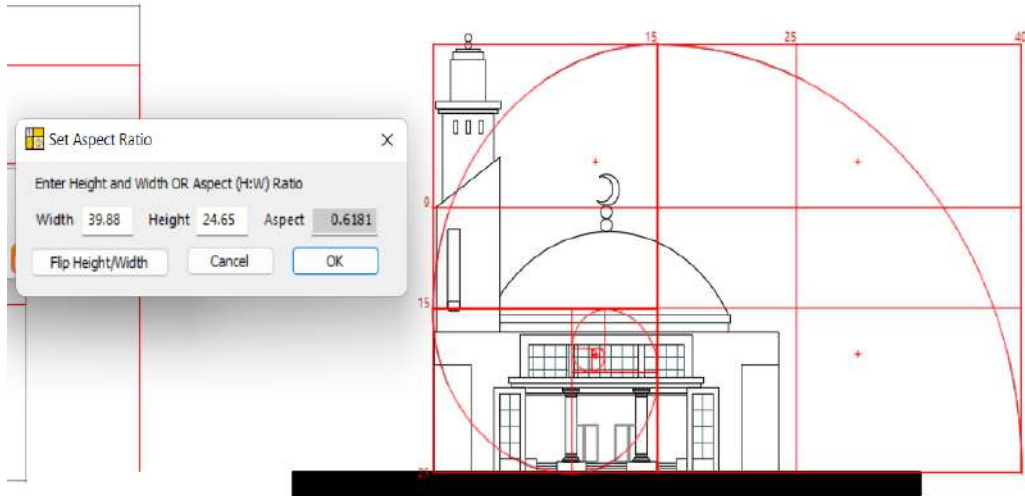
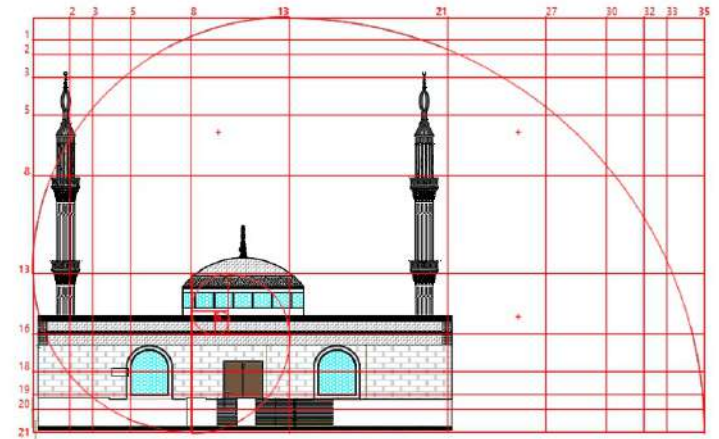
Width Height Aspect



Set Aspect Ratio

Enter Height and Width OR Aspect (H:W) Ratio

Width Height Aspect



Set Aspect Ratio

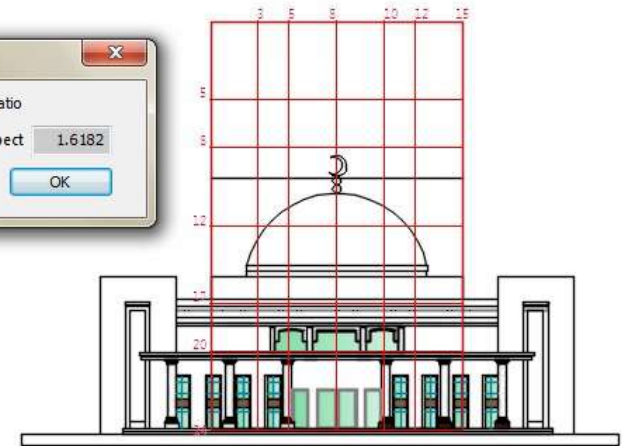
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Width Height Aspect

Set Aspect Ratio

Enter Height and Width OR Aspect (H:W) Ratio

Width Height Aspect



Thank you