

# Re: You are cataloguers,not astronomers

---

*Source:* <http://sci.tech--archive.net/Archive/sci.astro.amateur/2005-05/msg00232.html>

---

- *From:* [rob@xxxxxxxxxxxxxxxx](mailto:rob@xxxxxxxxxxxxxxxx) (Rob Johnson)
  - *Date:* Wed, 04 May 2005 00:41:34 GMT
- 

In article <tomkirke-0305051727190001@xxxxxxxxxxxxxxxxxxxx>, tomkirke@xxxxxxx (Tom Kirke) wrote:  
>In article <1115128151.686491.185970@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, >geraldkelleher@xxxxxxxxxxx wrote:

[snip]

>> I have to laugh at distinction between 'hard' science and social >> science notwithstanding that you flatter yourselves by the unwarranted >> Do you know why the Egyptians chose the angle of inclination of the >> Great Pyramid as 51 degrees 50 minutes ?. It takes a ....

>

>How do you know this? I know it is quoted in some sites, but there >are others that give different values:

>

><http://ce.eng.usf.edu/pharos/wonders/pyramid.html> 145.75 x 229

><http://www.unmuseum.org/kpyramid.htm> 137.16 x 230.4

><http://www.touregypt.net/featurestories/greatpyramid1.htm> 146.59 x not >stated

>

>( Height x Base Length in meters )

>

>The middle site gives the current height. In 820 A.D. the Arab >Caliph Abdullah Al Manum searched for the treasure of Khufu but >by this late date the treasure had long been looted. The Caliph >then tried to level the pyramid and removed \*about\* 30 feet from >the top. The other sites give \*estimates\* for the finished height.

>

>It gets worse, in the original design the pyramids had white limestone >cladding. This has been stripped, probably starting in the 19th >Dynasty, Caliph al Manum finished the job. We simply do not know the >exact dimensions of the cladding, nor even if these dimensions were >constant along the height of the pyramid.

>

>Based on some \*assumed\* dimentions there are many fantastic claims >made about the pyramids. Unfortunately these all rest on a bed of

>

>.... sand ( sorry about that ).

>

>tom

>

Re: You are cataloguers,not astronomers

>BTW You're not thinking that  $\cos(\tan(51.833... \text{ deg})) \sim 1$ ?

I think he might be thinking about  $\cos(51.827... \text{ deg}) = 1/\phi = .618...$   
This is probably where he got the starting point for the geometric sequence ( $\phi = 1.618...$ )

>>1.62 – 3.24 – 6.48 – 12.96 – 25.92 – 51.84

This is the angle at which the square of the height is the area of one of the sides (Heroditus).

Rob Johnson <rob@xxxxxxxxxxxxxxxx>  
take out the trash before replying

---

• **Follow-Ups:**

- ◆ **Re: You are cataloguers,not astronomers**  
    ◇ From: Tom Kirke
- ◆ **Re: You are cataloguers,not astronomers**  
    ◇ From: geraldkelleher
- ◆ **Re: You are cataloguers,not astronomers**  
    ◇ From: geraldkelleher

• **References:**

- ◆ **You are cataloguers,not astronomers**  
    ◇ From: geraldkelleher
- ◆ **Re: You are cataloguers,not astronomers**  
    ◇ From: Tom Kirke

- Prev by Date: **Re: Herschel Wedge**
- Next by Date: **Re: Can't find Uranus???**
- Previous by thread: **Re: You are cataloguers,not astronomers**
- Next by thread: **Re: You are cataloguers,not astronomers**
- Index(es):
  - ◆ **Date**
  - ◆ **Thread**