

# Re: Opinions on mathematics.

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In article <4u5pcsF16pa00U1@xxxxxxxxxxxxxxxxxxxx>, Bob Kolker <[nowhere@xxxxxxxxxxx](mailto:nowhere@xxxxxxxxxxx)> wrote:

Michael Press wrote:

The notion of unicorns are not a mathematical object. I am very surprised to discover the notion in a math forum.

Alright. How about a one sided surface. That is almost as fantastical as a unicorn or a fire-breathing dragon. Or a bottle with no inside or outside.

I think that mathematical objects are mind constructions developed from observation, abstraction from observation, mappings of mental processes,

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and

striving for explication that leads to forming

new

mental paths.

How does anyone get a calbari–yao manifold from  
observation?

How did anyone get it without observation? Not that I

know the definition of a cym, but manifolds are  
abstractions from geometric surfaces such as spheres  
and quadric surfaces.

The only mathematics we can do is what our  
spatio–temporal apparatus allows, unless we receive  
signals from an