Re: Universal Algebra Question

Source: http://sci.tech−archive.net/Archive/sci.math/2006−10/msg05764.html

- *From*: "Snis Pilbor" <snispilbor@xxxxxxxxx>

- *Date*: 20 Oct 2006 17:11:45 −0700

Arturo Magidin wrote:

> In article <1161370602.184339.216560@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>,
> Snis Pilbor <snispilbor@xxxxxxxxx> wrote:
>
> > Hello :)
> >
> > Burris and Sankappanavar define an "equational class" to be a class A
> > of algebras such that A is precisely the class of algebras of some type
> > F satisfying a set Sigma of identities of type F.
> >
> > My question is, is there a special name for an equational class which
> > is precisely the class of algebras of some type F satisfying a _finite_
> > set Sigma of identities of type F? Or in English, the algebras that
> > can be axiomatized by finitely many identities?
> >
> > Thank you very much =)
>
> Such equational classes are said to be "finitely based".
>
> −−
> ==========
> "It's not denial. I'm just very selective about
> what I accept as reality."
> −−− Calvin ("Calvin and Hobbes" by Bill Watterson)
> ==========
>
> Arturo Magidin
> magidin−at−member−ams−org

Thank you very much Arturo Magidin =) As always, you are the unchallenged master of UA :)

One more question. If we have a variety, by Birkhoff, it is an equational class. If it happily turns out to be a finitely based equational class, is it proper to refer to it as a "finitely based

variety"??

Thank you very much =)

.