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Python units/quantities packages

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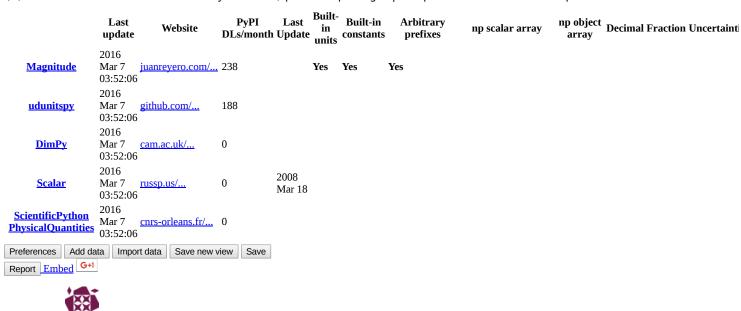
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There are far too many different packages for unit conversion / quantities calculations in Python. Developers should cooperate on one package instead of fragmenting

development across many different ones. This documents which features are supported by each package.												
	Last update	Website	PyPI DLs/month	Last Update	Built- in units	Built-in constants	Arbitrary prefixes	np scalar array	np object array	Decimal	Fraction	Uncertainti
scipy.constants	2016 Mar 7 03:52:06	scipy.org/	167,385	2015 Oct 24	Yes 50	Yes 400 in CODATA		- no unit objects	- no unit objects		- no unit objects	
sympy.physics.units	2016 Mar 7 03:52:06	sympy.org/	55,424		Yes 200?	Yes	- u.mega*u.meter but not u.megameter		Yes array([1, 2, 3])*u.m	- converts to sympy	- converts to sympy	
<u>Pint</u>	2016 May 9 20:40:39	github.com/	35,746	2016 Mar 2	Yes	Yes		Yes array([1,2,3])*ureg.m or ureg.m*array([1,2,3])	No ValueError	Yes	Yes	Yes built-in
astropy.units	2016 Mar 7 03:54:44	astropy.org/	11,358	2016 Jan 8	Yes	Yes	No	Yes	-			
Quantities	2016 Mar 7 03:54:44	readthedocs.org	3,917	2016 Feb 21				Yes array([1,2,3]) * pq.J				
<u>Units</u>	2016 Mar 7 03:52:06	bitbucket.org/	1,376	2013 Oct 28								
numericalunits	2016 Mar 7 03:54:44	python.org/	445	2016 Feb 20								
SciMath Units	2016 Mar 7 03:56:59	readthedocs.org/	430	2015 Nov 4								Yes built-in
<u>Buckingham</u>	2016 Mar 7 03:56:59	github.com/	361	2016 Jan 27	Yes 53	No	Yes					
<u>Unum</u>	2016 Mar 7 03:52:06	bitbucket.org/	334	2015 Jan 27								
<u>natu</u>	2016 Mar 7 03:52:06	github.io/	315	2014 Aug 8	Yes	Yes 40	Yes		Yes array([1, 2, 3])*m	No	No	Yes
<u>misu</u>	2016 Mar 7 03:52:06	github.com/	308									



• Creator 2016-03-06 19:38:38

Last contributor 2016-05-09 20:40:39 Category <u>Frameworks</u>

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C++ unit testing framework



Augmented Reality SDK Comparison: Vuforia SDK VS ARMedia SDK

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