

!	Parameter	type
		-

- => The parameter Server uses XMLRPC data types for parameter values, which include:
 - 0 32-bit intege
 - a booleans
 - 1 staings
 - @ doubles
 - B) 1508601 data
 - @ lists
 - 1 boso 64 encoded bines dela.
- -> The parameter Server Departs Ros nanesprés as dictionaries.

* Parameter Tools (grosparam)

=> There are also special conventors for angle oradian/degree superismition.

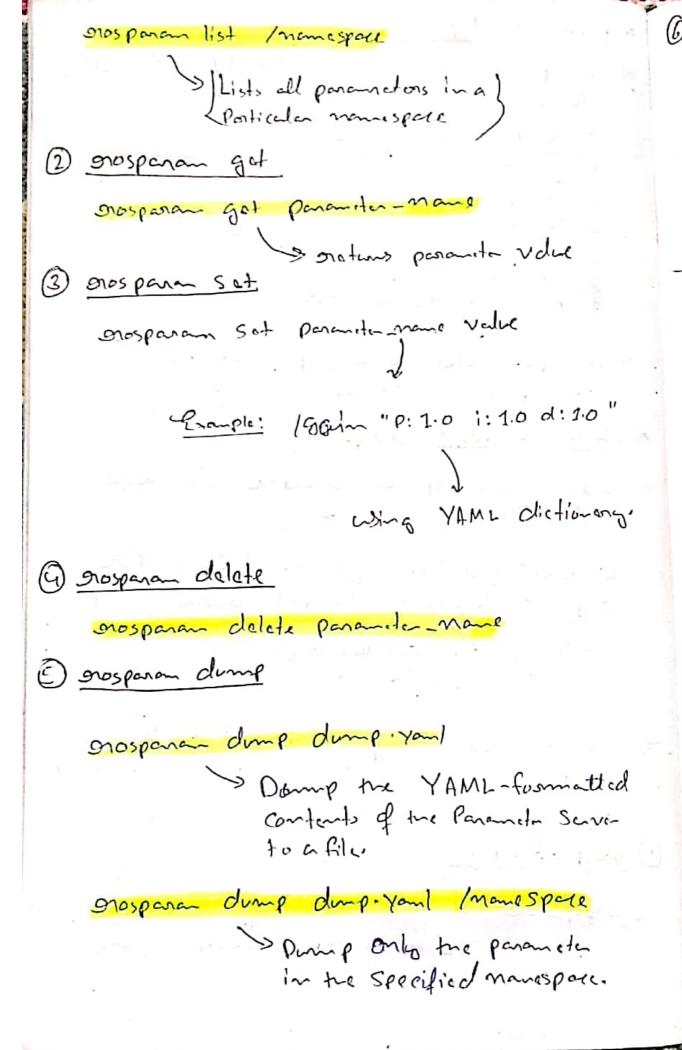
angle 1: mad (2+Pi) | angle 1: !degree 180.0 | angle 2: deg (180) | angle 7: !madian 3:14115

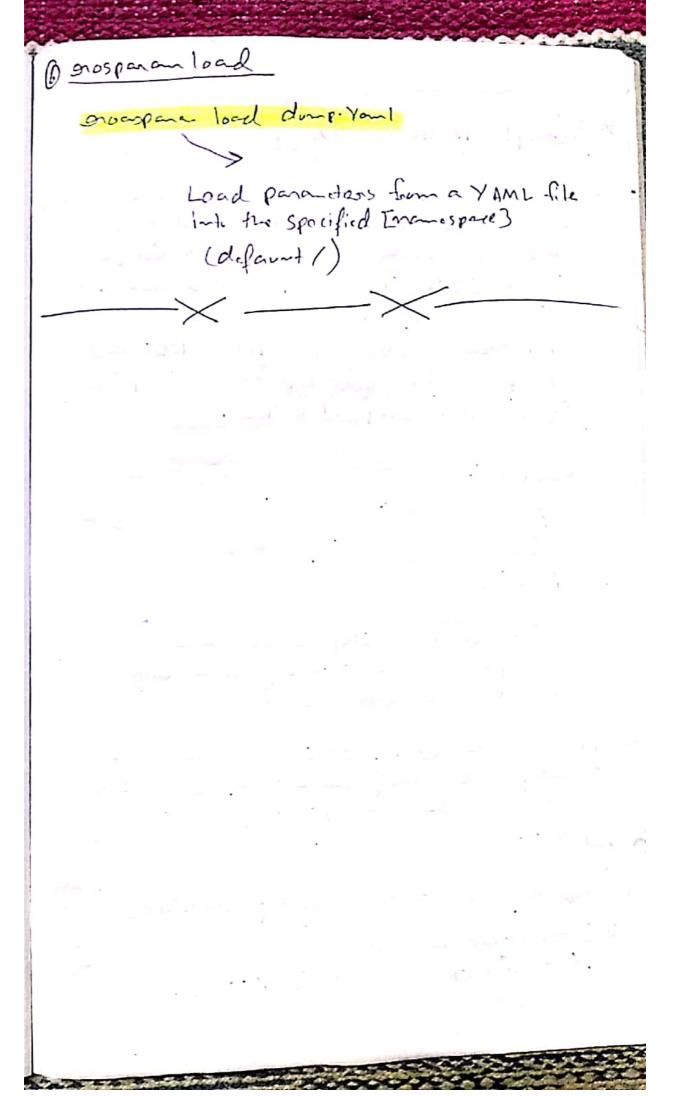
=> In either case the angle value is Convented to madians (float)

=> The lonospurar) tag can be put inside of a mood tag, in which case the parameter is treated like a private name.

1) grospanan list

nosperan list > lists all the parameter names.





ROSCPP (Parada Seaver)

APIS: the "bone" versions which line in the mos:: ponon none Space and the Mondle versions which are colled. through the mos:: NodeMadle interface.

1) Gatting parameter

@ onos:: Nuda Handle:: get Penan ()

Mh. got Paran ("/globd_nane", globd_nane);

orotuns true if it exist.

mh. get Para ("seldire-name", steldire-name).

Mh. Paran Lstd: Sting ("default-pare"

, defact-pare, "defat-vdri")

Dif And parameter do so not anost défault Value vill be chosen.

. 2105: para 1: get () mos 1: Para :: get ("/global-mane", global-mane): 9105: Para: get ("ordetire-Mane", 510 ladive-mane); gros: Para: Paran < Std: String ("default-paran", default-parang "default-Volue"): 1) Setting Parameters 905: NodeMandle: sotlana (); () sios :: peran : sot (); 3 Checking paramete Existence @ mos:: Node Mardle: 1 has Param (); mh. has Param ("my-Param") 6) gros: param: has (); gnos: para:: has ("my-Para")

@ Delating Parameters

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@ ous:: Noda Mandle :: dolato Parame()

mh. delateParame ("my-Parame")

(b) 9105: param: del ("my-param")

5	Accessing	Private	Parameters
	e		

- 9165:: Node Hadle mh ("n"); Std:: stoing para. mh. got Paran ("Privde mane", paran);
- (b) Std: String Paran;
 onos: param: get ("~ Poivde-na.", Peran).
- 6 Searching for Paranetar Keys:
 - @ onos:: NodeHandle: Search Paran ()
 - (b) onos :: param :: Scart ()
 - South parameter from the closest name space.

lists -> Std: Vector

dictationario > std:: map