get_LU_decomposition (UID: 3) **READ-WRITE EXCLUSIVE** LU_x (1,1,1) 0 b (101) eg (102) k (103) 1 (104) Fields g (105) h (106) ff (107) v (108) w (109) _binary_int32_int32_ (UID: 10) _binary_int32_int32_ (UID: 8) _binary_int32_int32_ (UID: 6) ddy (UID: 5) points (2,3,3) READ-ONLY EXCLUSIVE 0 f (101) Virtual Instance **Fields READ-WRITE EXCLUSIVE** points (2,3,3) 1 Fields dfy (103) Virtual Instance LU_x (1,1,1) READ-ONLY EXCLUSIVE b (101) Virtual Instance Virtual Instance eg (102) k (103) Virtual Instance 1 (104) Virtual Instance Fields g (105) Virtual Instance h (106) Virtual Instance ff (107) Virtual Instance v (108) Virtual Instance Virtual Instance w (109) rhs_y (UID: 11) SolveYLU (UID: 12) 0 points (2,3,3) **READ-ONLY EXCLUSIVE** 0 points (2,3,3) READ-WRITE EXCLUSIVE Instance 0x60000000000000004 Instance 0x60000000000000001 Fields **Fields** f (101) dfy (103) points (2,3,3) **READ-WRITE EXCLUSIVE** 1 LU_x (1,1,1) **READ-ONLY EXCLUSIVE** Fields dfy (103) Instance 0x60000000000000004 b (101) eg (102) k (103) 1 (104) g (105) **Fields** h (106) ff (107) v (108) w (109) get_error_y (UID: 21) initialize (UID: 4) 0 points (2,3,3) READ-ONLY EXCLUSIVE points (2,3,3)**READ-WRITE EXCLUSIVE** 0 Fields dfy (103) Instance 0x60000000000000004 **Fields** f (101) Instance 0x60000000000000001 exact (2,4,4) **READ-ONLY EXCLUSIVE** exact (2,4,4) **READ-WRITE EXCLUSIVE** Fields dfy (103) Instance 0x60000000000000002 dfx (102) Instance 0x60000000000000002 dfy (103) Instance 0x60000000000000002 Fields dfz (104) get_error_x (UID: 20) Instance 0x60000000000000002 points (2,3,3) coords (2,2,2) **READ-WRITE EXCLUSIVE** 0 **READ-ONLY EXCLUSIVE** 2 x(101)Instance 0x60000000000000003 Fields dfx (102) Instance 0x60000000000000006 **READ-ONLY EXCLUSIVE** y (102) Instance 0x60000000000000003 exact (2,4,4) Fields dfx (102) z (103) Instance 0x60000000000000003 Fields Instance 0x60000000000000002 ddx (UID: 9) points (2,3,3) READ-ONLY EXCLUSIVE Fields f (101) Virtual Instance points (2,3,3) READ-WRITE EXCLUSIVE 1 Fields dfx (102) Virtual Instance **READ-ONLY EXCLUSIVE** LU_x (1,1,1) b (101) Virtual Instance eg (102) Virtual Instance k (103) Virtual Instance 1 (104) Virtual Instance g (105) Virtual Instance **Fields** Virtual Instance h (106) ff (107) Virtual Instance v (108) Virtual Instance Virtual Instance w (109) SolveXLU (UID: 16) points (2,3,3) 0 **READ-WRITE EXCLUSIVE Fields** Instance 0x60000000000000006 dfx (102) LU_x (1,1,1) **READ-ONLY EXCLUSIVE** b (101) eg (102) k (103) 1(104)rhs_x (UID: 15) g (105) **Fields** 0 points (2,3,3) READ-ONLY EXCLUSIVE h (106) Instance 0x60000000000000001 Fields f (101) ff (107) points (2,3,3) READ-WRITE EXCLUSIVE v (108) Instance 0x60000000000000000 Fields dfx (102) Instance 0x60000000000000006 w (109) get_error_z (UID: 22) points (2,3,3) READ-ONLY EXCLUSIVE Fields dfz (104) Instance 0x6000000000000005

> ddz (UID: 7) points (2,3,3) READ-ONLY EXCLUSIVE Virtual Instance Fields f (101) points (2,3,3) READ-WRITE EXCLUSIVE 1 dfz (104) Virtual Instance Fields LU_x (1,1,1) **READ-ONLY EXCLUSIVE** b (101) Virtual Instance eg (102) Virtual Instance k (103) Virtual Instance 1 (104) Virtual Instance Fields g (105) Virtual Instance h (106) Virtual Instance ff (107) Virtual Instance v (108) Virtual Instance w (109) Virtual Instance

rhs_z (UID: 13)

READ-ONLY EXCLUSIVE

Instance 0x60000000000000001

READ-WRITE EXCLUSIVE

Instance 0x60000000000000005

points (2,3,3)

f (101)
points (2,3,3)

dfz (104)

Fields

Fields

	0	points (2,3,3)	READ-WRITE EXCLUSIVE
	Fields	dfz (104)	Instance 0x60000000000000005
	1	LU_x (1,1,1)	READ-ONLY EXCLUSIVE
	Fields	b (101)	Instance 0x600000000000000000000000000000000000
		eg (102)	Instance 0x600000000000000000000000000000000000
		k (103)	Instance 0x600000000000000000000000000000000000
		1 (104)	Instance 0x600000000000000000000000000000000000
		g (105)	Instance 0x600000000000000000000000000000000000
		h (106)	Instance 0x600000000000000000000000000000000000
		ff (107)	Instance 0x600000000000000000000000000000000000
		v (108)	Instance 0x600000000000000000000000000000000000
		w (109)	Instance 0x600000000000000000000000000000000000

SolveZLU (UID: 14)

READ-ONLY EXCLUSIVE

Instance 0x60000000000000002

exact (2,4,4)

dfz (104)

Fields