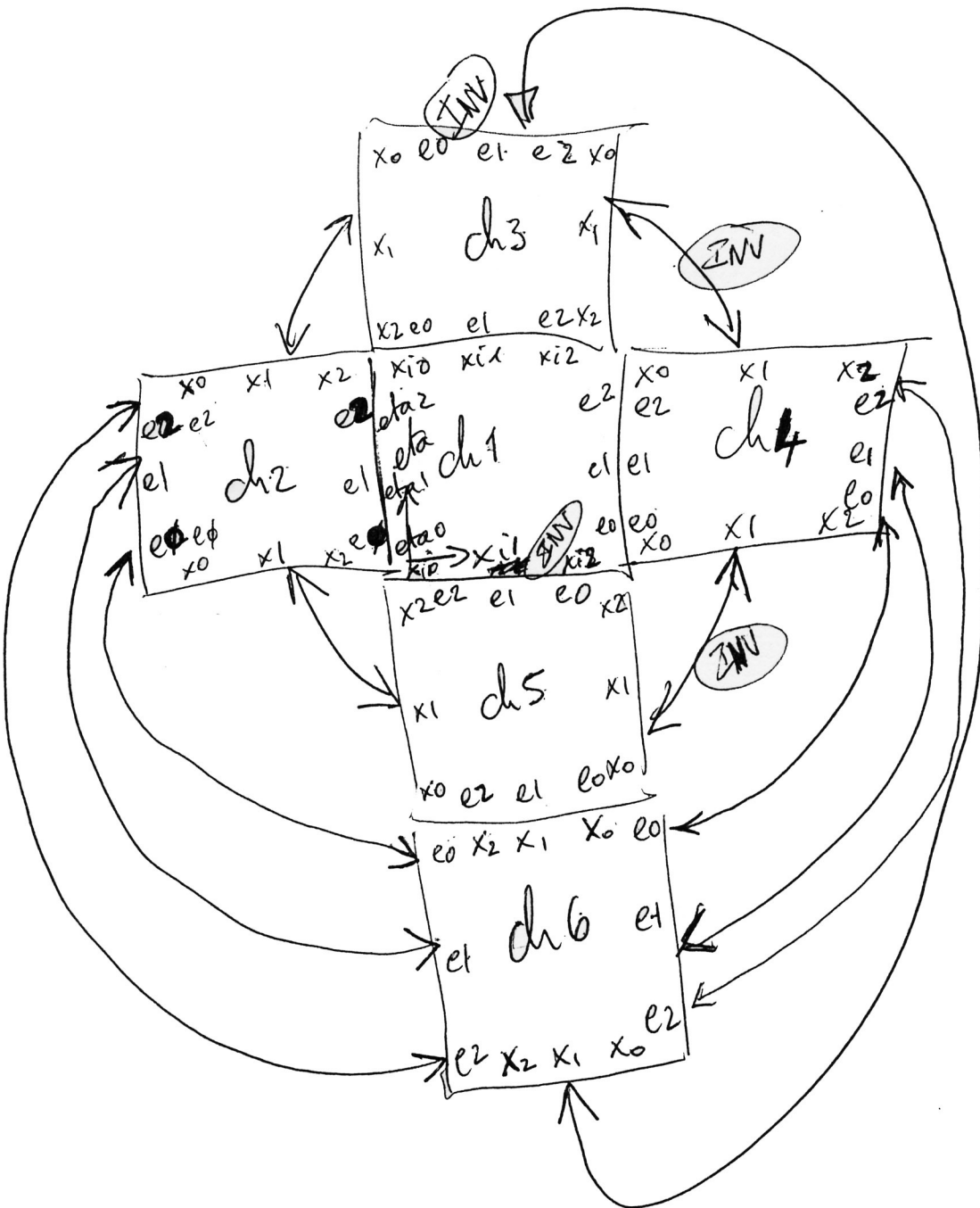
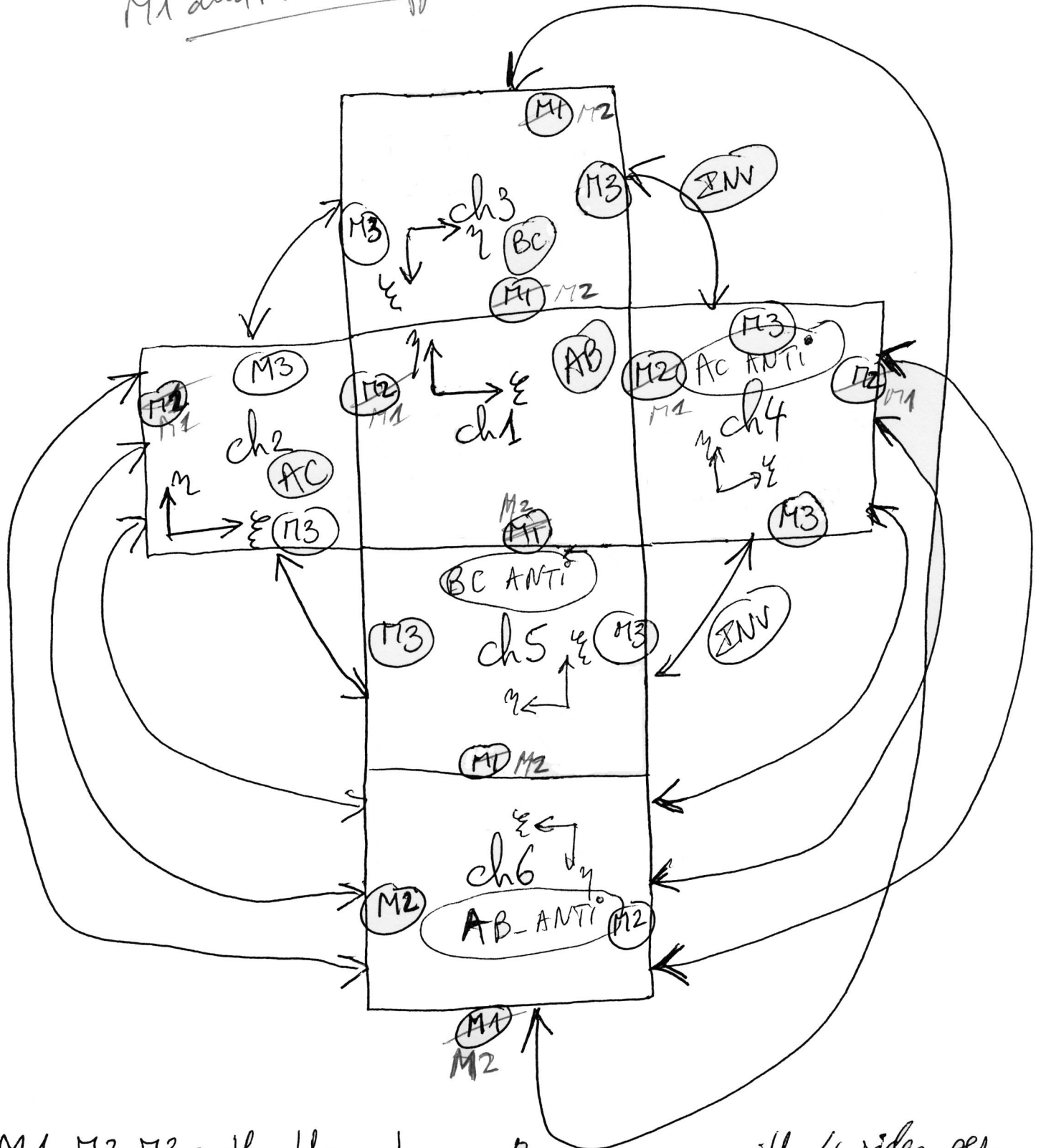


New communication pattern / no deadlock :



New communication pattern / no deadlock:  
with orientation and origin of the local frame

M1 and M2 swapped on March 16, 2004



M1, M2, M3: the three types of messages, with 4 sides per message type (total  $4 \times 3 = 12$  messages = 12 sides for the 6 channels)

# The three types of messages:

type M1: M2

	chunk	face
msg 1	1	$\eta_{max}$
msg 2	1	$\eta_{min}$
msg 3	3	$\xi_{min}$
msg 4	5	$\xi_{min}$

chunk	face
3	$\xi_{max}$
5	$\xi_{max}$
6	$\eta_{max}$
6	$\eta_{min}$

M1 and M2 swapped on March 17, 2004

type M2: M1

	chunk	face
msg 1	1	$\xi_{min}$
msg 2	1	$\xi_{max}$
msg 3	2	$\xi_{min}$
msg 4	4	$\xi_{max}$

chunk	face
2	$\xi_{max}$
4	$\xi_{min}$
6	$\xi_{max}$
6	$\xi_{min}$

type M3:

	chunk	face
msg 1	2	$\eta_{max}$
msg 2	2	$\eta_{min}$
msg 3	3	$\eta_{max}$
msg 4	4	$\eta_{min}$

chunk	face
3	$\eta_{min}$
5	$\eta_{max}$
4	$\eta_{max}$
5	$\eta_{min}$