Minutes of the locking meeting
Annecy june 13,1996

Contributions :
A. Di Virgilio
She presented a multi-loop control. If the matrix gain is triangular and if each single loop is stable, then this preserves the stability for the entire control. This method has been successfully applied on a double Fabry-Perot cavity.

C. Mehmel
He presented a whole simulation of the locking using OpGlobal for the optical simulation. The dynamical effects are now taken into account in the control loops. This method can be used to test other strategies.

F. Marion
She presented effects of misalignments on longitudinal locking. In order to improve these first tests a multi d.o.f. model for the suspended mirrors will be nice.

P. Popolizio
He presented the displacement range of the towers in VIRGO.
About Terminal towers :
For instance, it is projected that this towers will move. A. Brillet asked if it is possible that they do not and in that case if we can save money. We have no response to these questions.

N. Man
She showed that 12.5 Mhz is a solution for VIRGO 98, but can we use the same for VIRGO 2000 ?
We decided to propose 12.5... Mhz for the 98' modulation frequency.
We encourage interested persons to work on VIRGO 2000 modulation frequency using SIESTA.