

Feedback and Sensitivity in Climate

Alain Lahellec

June 16, 2009



Outline

- 1 Motivation
 - The Basic Problem That We Studied
 - Previous Work

- 2 Our Results/Contribution
 - Main Results
 - Basic Ideas for Proofs/Implementation



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Make Titles Informative. Use Uppercase Letters.

Subtitles are optional.

- Use itemize a lot.
- Use very short sentences or short phrases.



Make Titles Informative.

You can create overlays...

- using the pause command:

-

$$\begin{cases} \partial_t \sigma_0(t) = M^b \sigma_0(t, 0) + |b\rangle \Upsilon(t) \\ g(t) = \langle c | \sigma_0(t, 0) \rangle, \end{cases} \quad (1)$$

-

$$\begin{aligned} \Delta\theta(t) = & \langle c(t) | \Phi(t, 0)^\dagger \eta_0^r \\ & + \langle c | (t) \int_0^t \Phi(t, \tau) | b \rangle (\tau) \Delta\theta_0(\tau) d\tau \end{aligned} \quad (2)$$

- using overlay specifications:

- First item.

- Second item.

- with the definition of the propagator as:

$$\partial_t \Phi(t, \tau) = M(t) \Phi(t, \tau); \quad \Phi(\tau, \tau) = I, \quad (3)$$

with the identity matrix I .

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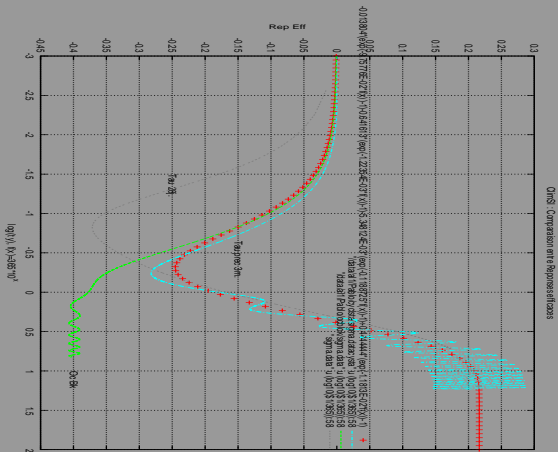
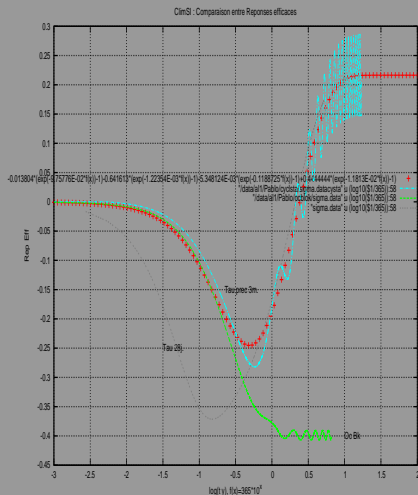


Figure: ClimSI WV feedback model responses.

Essai avec pgfuse.



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Summary

- The **first main message** of your talk in one or two lines.
- The **second main message** of your talk in one or two lines.
- Perhaps a **third message**, but not more than that.
- Outlook
 - Something you haven't solved.
 - Something else you haven't solved.





For Further Reading I



A. Author.

Handbook of Everything.

Some Press, 1990.



S. Someone.

On this and that.

Journal of This and That, 2(1):50–100, 2000.