

# Applications of parallel computing to science and engineering

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# CondorPortal: A Condor-based tool to manage a cluster

## PORTAL CONDOR - SCTR

Jueves 10 de Mayo de 2007

Gestionar usuarios | Salir

### Opciones

Seleccionar

Generar trabajo

Lanzar trabajo

Monitorizar trabajo ▶

Gestionar ficheros

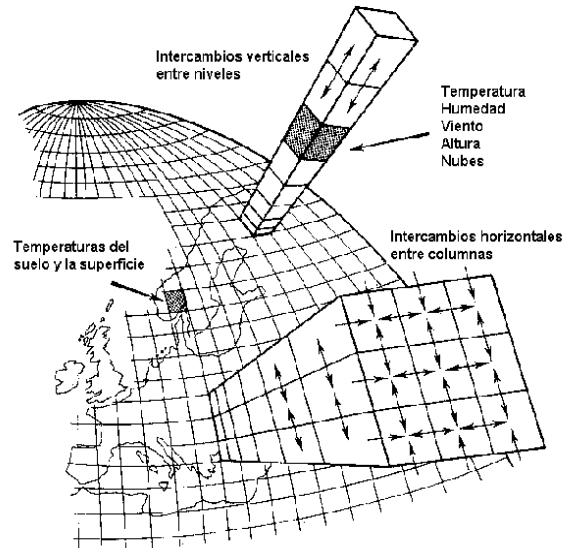
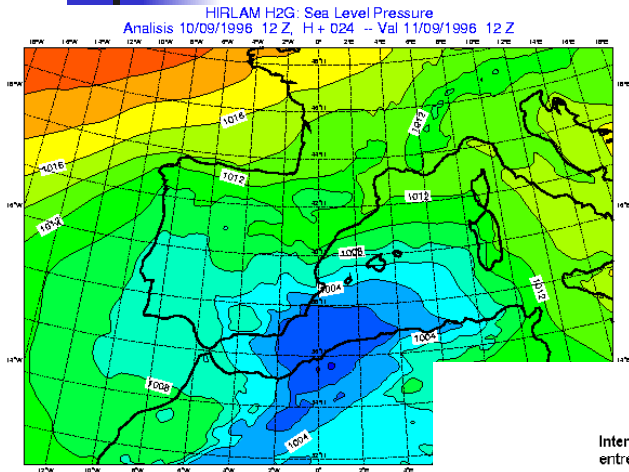
### Trabajos del usuario: condorp

Trabajo	Directorio	Ejecutable	Argumentos	Funciones
hola	bb	hola		editar   borrar
pru_mpi	bb	cpi		editar   borrar
pru_standard	p1	io.remote	200	editar   borrar
pru_vanilla	p2	ea.sh		editar   borrar
hello	p3	hello.bat		editar   borrar

Research Team

ReTiCS group

# Development of a regional climate model



Research Team

MOMAC (UCLM)

ReTiCS (UCLM)

MODAM (UPM)

DATSI (UPM)



# Parallelization of TISEAN library

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TISEAN: Nonlinear Time Series Analysis



**Research Team**

ReTiCS (UCLM)

GI<sup>2</sup>SD (UCLM)

# Parallel Algorithms for solving the Differential Riccati Equation

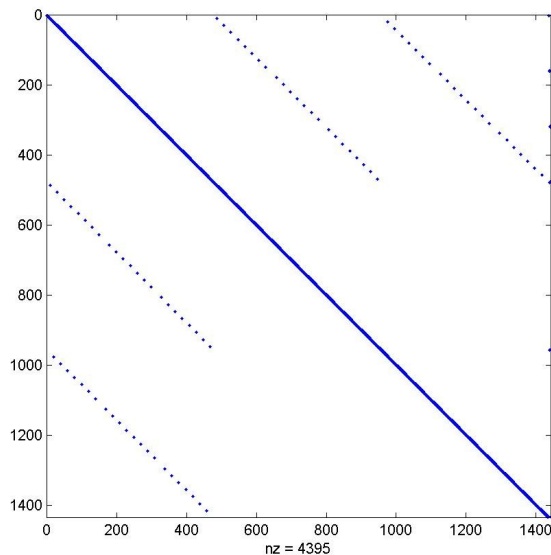
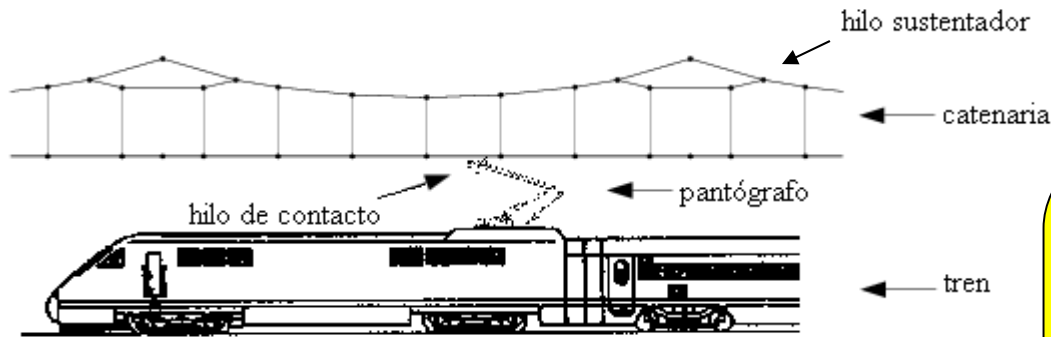


**Research Team**

**GRyCAP (UPV)**

**ReTiCS (UCLM)**

# A based-threads parallel implementation of the stiffness problem in high speed railways (CEDIPAC)



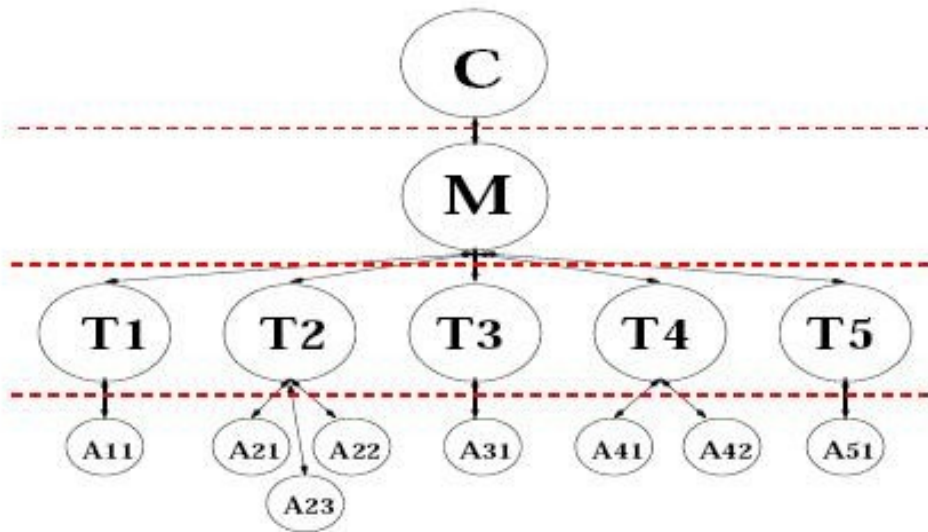
**Research Team**

**ReTiCS (UCLM)**

**AM (UCLM)**

**ADIF**

# DATASEG: a security events analysis using datamining techniques on a HTC platform



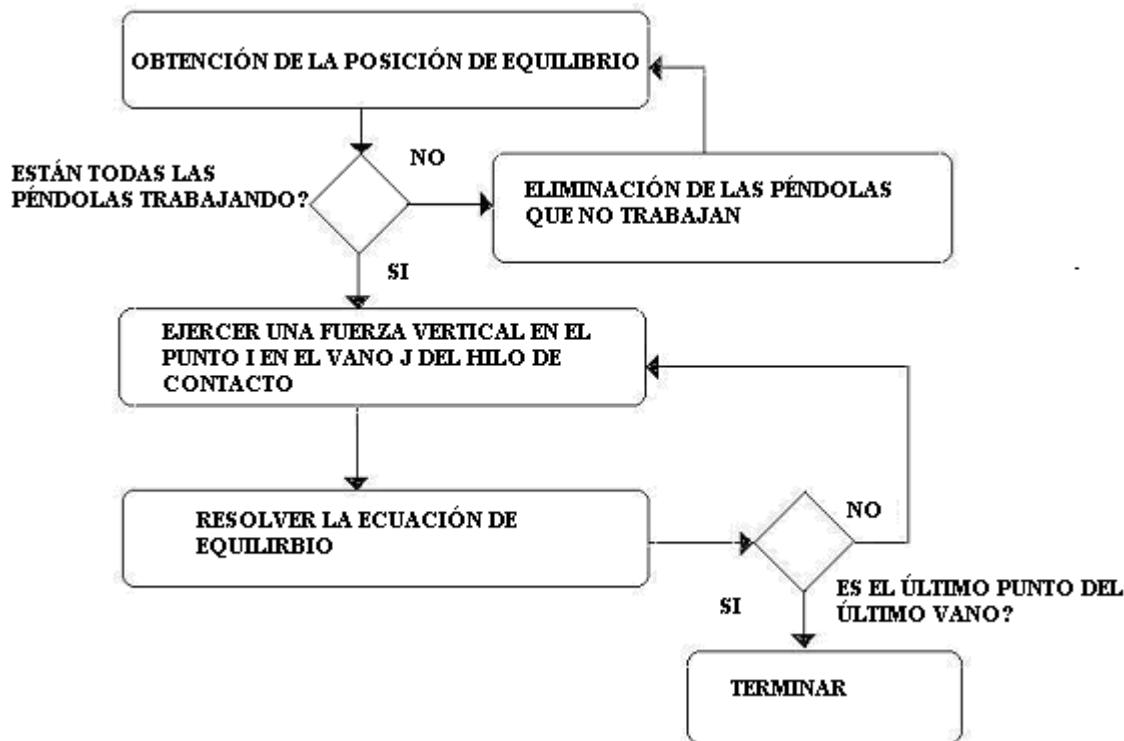
Research Team

ReTiCS (UCLM)

SIMD (UCLM)

Grupo-S2

# A HTC platform based on BOINC for solving the stiffness problem in high speed railways (CEDIPAC)



Research Team

ReTiCS (UCLM)

AM (UCLM)

ADIF





## Conclusions

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The HPC/HTC research on ReTiCS group has achieved

- **To close these technologies to enterprises as an added value**
  - An enterprise technologically advanced (DATASEG Project)
  - Better product (DATASEG Project)
- **To innovate on new fields of science and engineering**
  - Dealing with new challenges (CEDIPAC Project)
  - Providing new solutions (Climate Project)