



ISTITUTO DI ISTRUZIONE SUPERIORE

ALDO MORO

Liceo Scientifico

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Istituto tecnico industriale

RIVAROLO CANAVESE

ANNO SCOLASTICO 2013-2014

ESAME DI STATO

Filippo Valle

Analisi di raggi cosmici mediante supercomputer

Classe VBs - P.N.I.

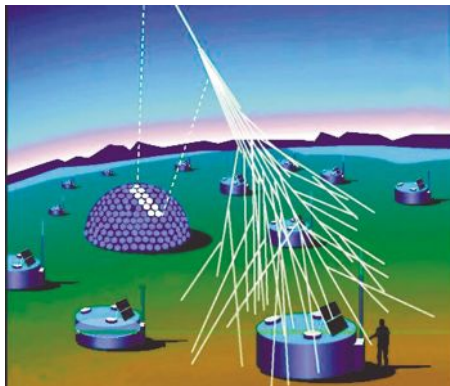
Sezione Scientifica

Introduzione

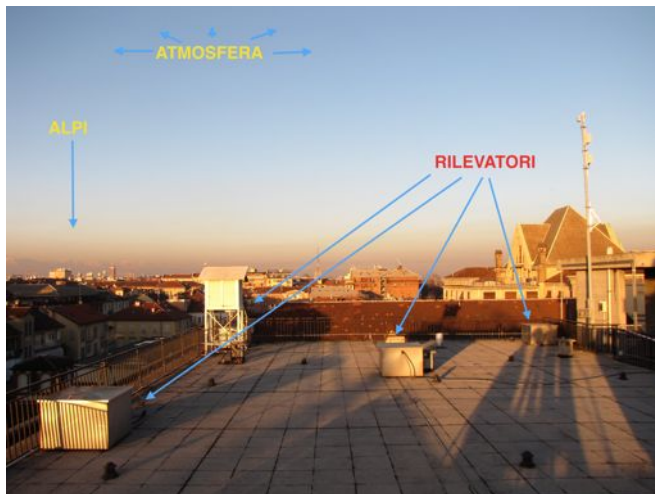
Supercomputer e Raggi cosmici

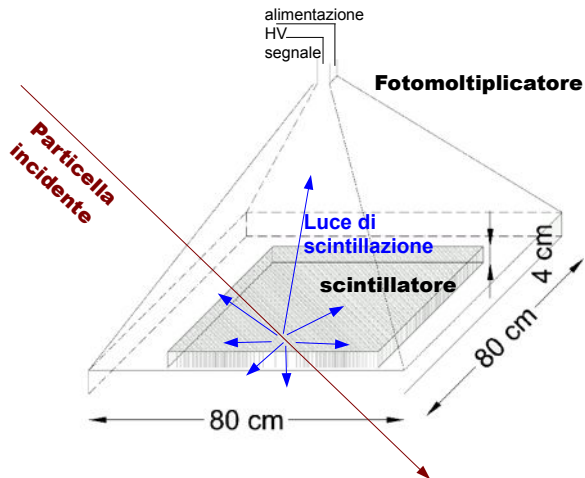


Supercomputer *Castor*

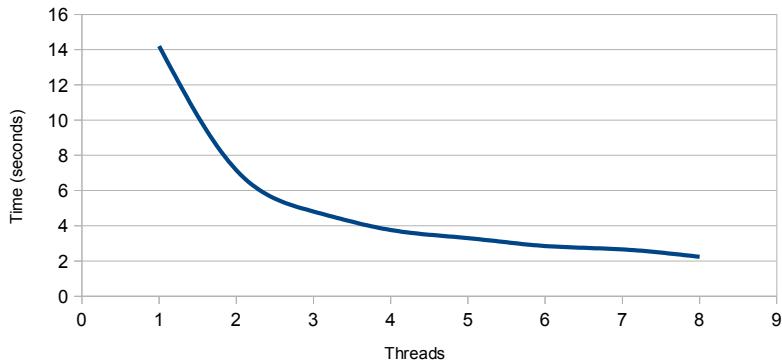


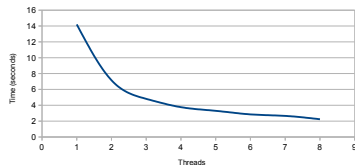
Sciame di *raggi cosmici*



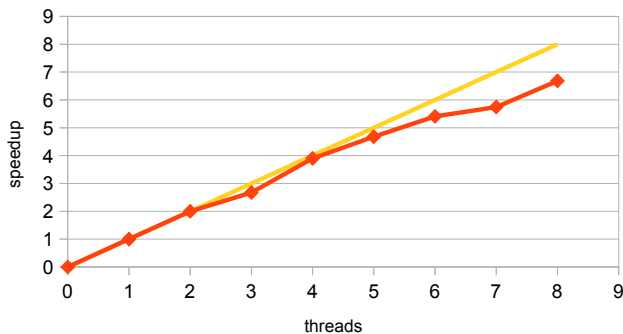








Threads/Speedup



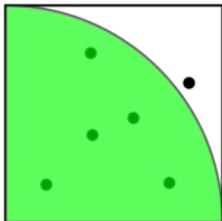
Metodi MonteCarlo

Borsa

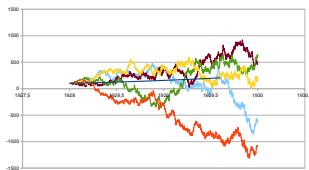


Calcolare
Pigreco

Simulazioni MonteCarlo per la Borsa



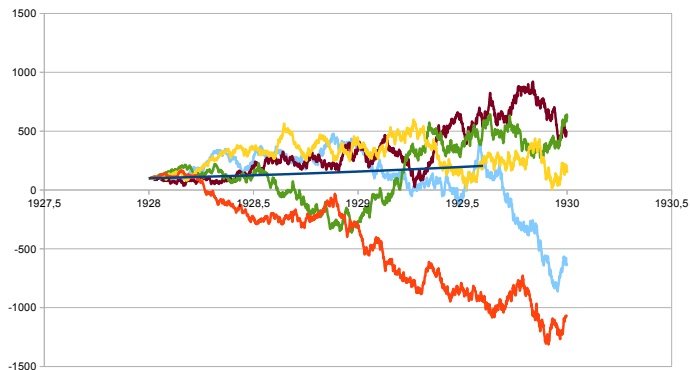
Calcolare
Pigreco



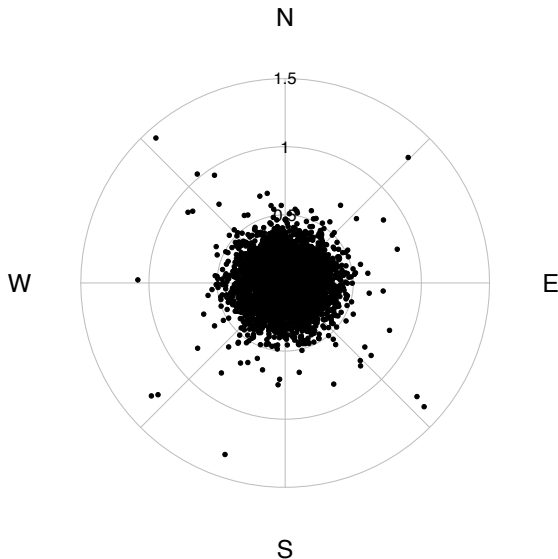
Simulazioni MonteCarlo per la Borsa



Calcolare
Pigreco

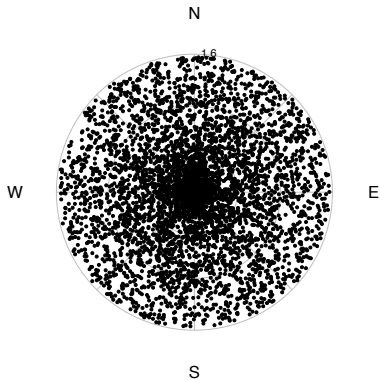


Simulazioni MonteCarlo per l'andamento della Borsa nel biennio
1928-1930



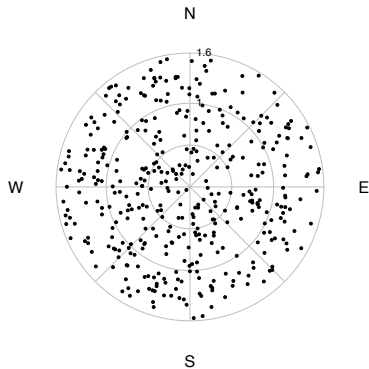
Simulazioni

Uniforme



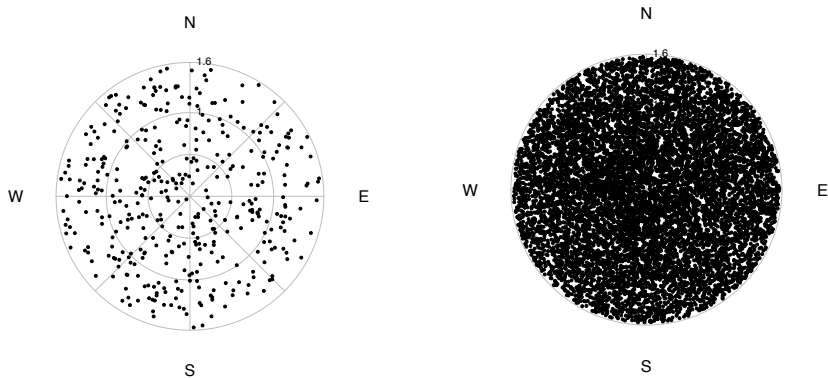
Simulazioni

Uniforme



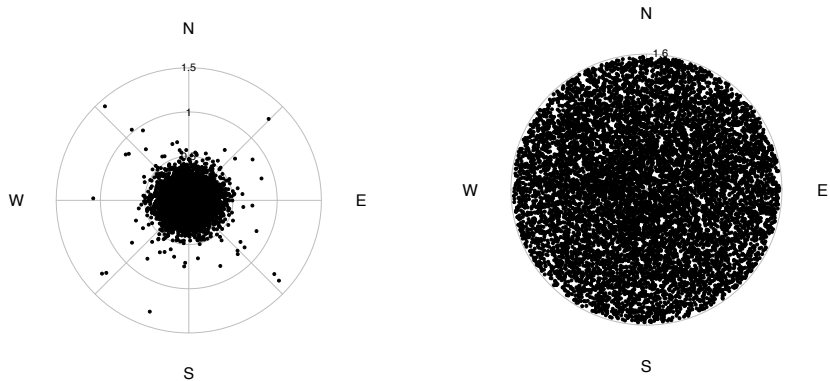
Simulazioni

Uniforme



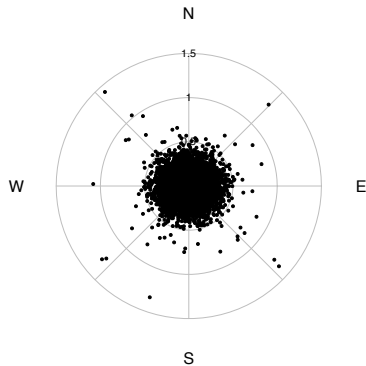
Simulazioni

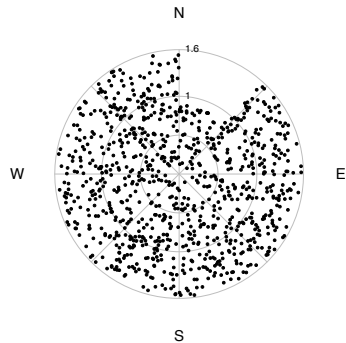
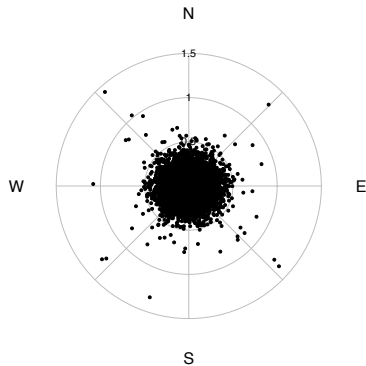
Uniforme

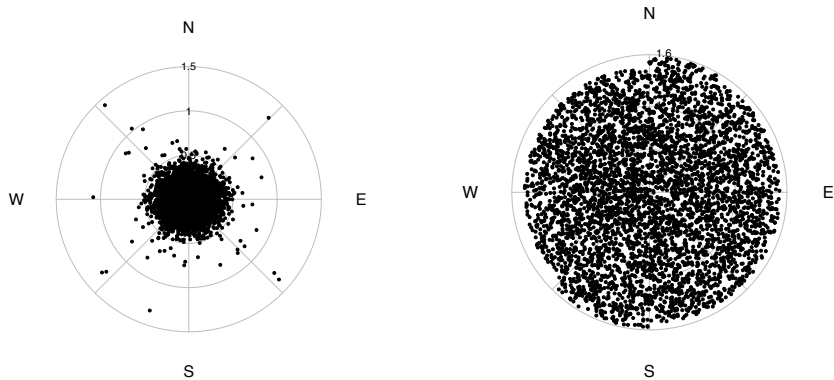


Simulazioni

Montagne

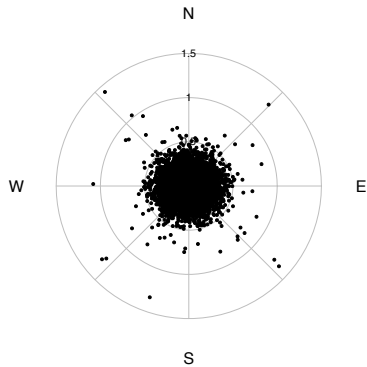


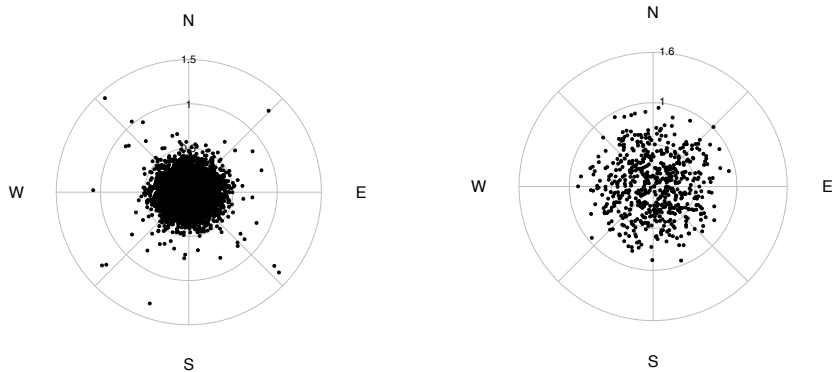




Simulazioni

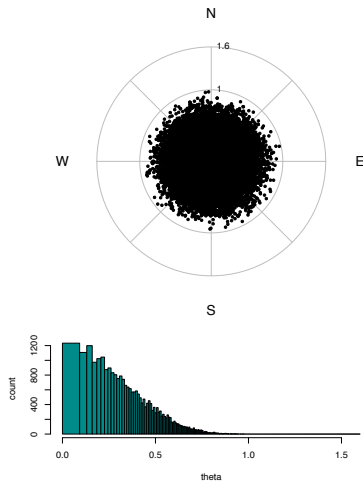
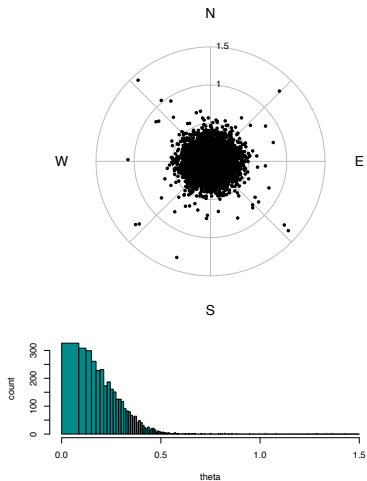
Atmosfera





Simulazioni

Completa



Albert Einstein

I **computer** sono incredibilmente **veloci**, **accurati** e **stupidi**.

Gli **uomini** sono incredibilmente **lenti**, **inaccurati** e **intelligenti**.

L'insieme dei due costituisce una **forza** **incalcolabile**.