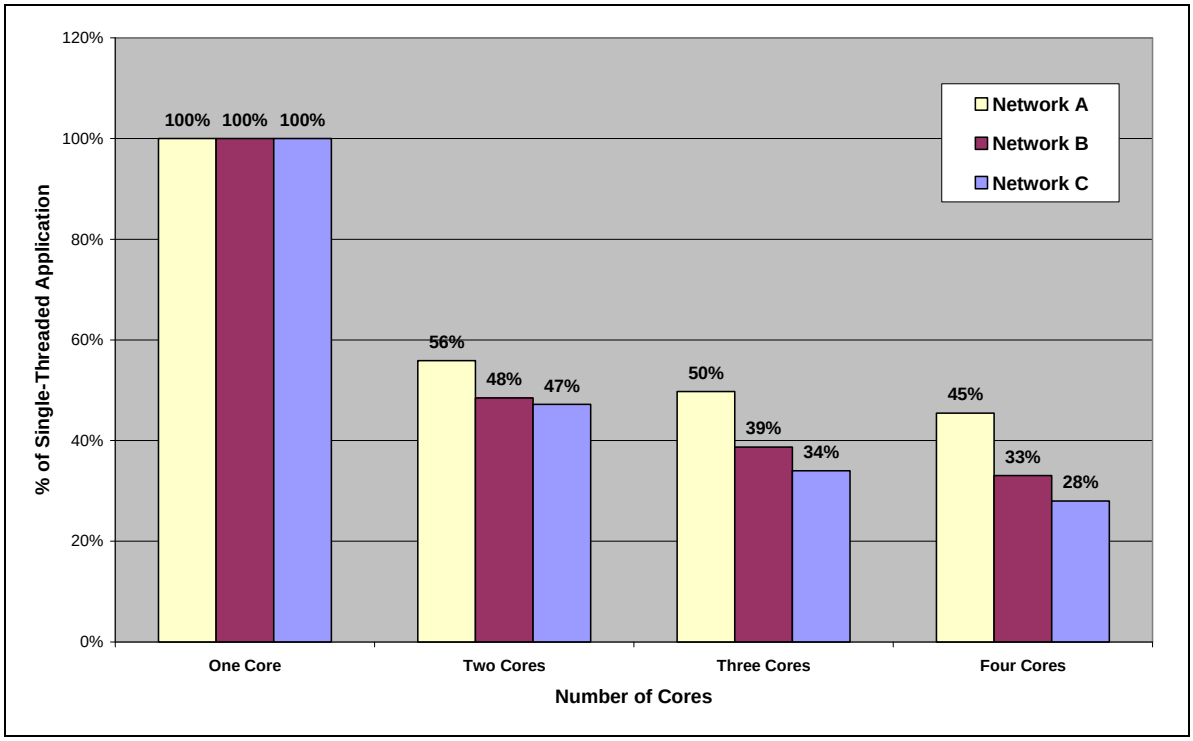
SATURN Multi-Core

Price structure as of 1st April 2010

Harvesting the Power of your Desktop PC

SATURN Multi-Core (SATURN MC) is a multi-threaded version of the existing assignment suite that is able to take full advantage of the additional processors (or cores) available on most Intel / AMD-powered standard desktop PCs.

Recent testing across a range of different sized SATURN models has demonstrated the significant performance gains available with SATURN Multi-Core in model runtimes. Typically, SATURN Multi-core reduced the overall model runtimes by up to *1 / N* where *N* is the number of physical cores available depending on the size and type of network and the assignment parameters used. For example, on a quad-core machine, the model runtimes on various test networks were reduced by up to a factor of **four (4)** (see chart below).



SATURN Multi-core is available in all SATURN Versions from 10.8.22 onwards and produces marginally different, but equally valid, assignment results from its single-threaded equivalent. To activate the multi-threaded operation once installed, all the user needs to do is to set the parameter MULTIC=T in the network data file and the Windows Operating System handles the rest.

At present, the development has focussed on the changes to the path-building and loading within SATALL. Over the next few months, maintained users will also have access to the enhancements made to SATLOOK and SATCH software that are likely to provide similar performance improvements to these programs.

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Prices

SATURN Multi-Core is available as a separate add-on module to standard SATURN suite. For simplicity, the pricing and maintenance structures follows the same mechanisms as the main product. We anticipate that SATURN Multi-Core will eventually be subsumed into the standard SATURN suite as the availability of multi-threaded software becomes more widespread; in the meantime, the software is available commercially to those users wishing to take immediate advantage of its benefits whilst enabling us to recover some of our investment costs. The purchase price and annual maintenance charges are summarised below.

Version	Purchase	Single-Campus Annual Maintenance Charge*
B	£1,250	£187.50
C	£1,500	£225.00
S	£1,750	£262.50
H	£2,000	£300.00
K	£2,250	£337.50
L	£2,500	£375.00
M1	£2,750	£412.50
M2	£3,000	£450.00
M3	£3,250	£487.50
N1	£3,500	£525.00
N2	£3,750	£562.50
N3	£4,000	£600.00
N4	£4,250	£637.50

** 15% of prevailing of list price for a single campus site; VAT at the prevailing rate will be charged where appropriate*

Maintenance

Maintenance for SATURN Multi-Core is provided through the standard campus-based maintenance agreements. The maintenance structure permits unlimited number of users within each campus[1] but requires additional maintenance payments for other campuses as shown below.

Number of Campus Sites[1]	Maintenance Charge as % of Current Purchase Price
1	15%
2	23%
3	26%
4	28%
Unlimited	30%

[1] A campus site consists of a registered office where SATURN is being used plus any satellite office(s) within a defined distance. Any other office(s) located within 15km radius of the registered office (or within the M25 motorway around London) are included within the same campus site. All offices where SATURN is in use need to be registered for maintenance and allocated to a campus site.

Upgrades

Maintained users holding a licence for a specific level of SATURN and subsequently wishing to upgrade to a higher level may do so at a cost equivalent to the price difference between levels (currently £250 per level). For example, an upgrade of three levels from Level 'B' to Level 'H' would cost a total of £750. Contact me for further details.

For More Information, please contact:

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