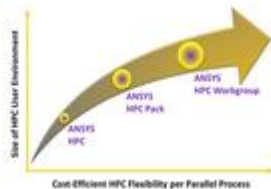


# ANSYS 19.1 Update

## Platform

### HPC

- Analyze up to 4 cores in all current Mechanical, Fluids, Electronics products
  - ANSYS Mechanical Pro, Premium, Enterprise
  - ANSYS CFD Premium, Enterprise
  - ANSYS Mechanical CFD Maxwell 3D
  - ANSYS Mechanical Maxwell 3D
  - ANSYS Mechanical CFD
  - ANSYS AIM
  - ANSYS HFSS
  - ANSYS SIwave
  - ANSYS Maxwell
  - ANSYS Q3D Extractor
  - ANSYS Icepak
- Use of ANSYS HPC products (HPC, HPC Pack, HPC Workgroup) for Electronics products (alternative to Electronics HPC)



ANSYS HPC

## RSM [19.1]

- Cluster Load Monitoring: Overview of current status of attached jobs on clusters [19.1]



RSM Cluster Monitor [19.1]

## DesignXplorer

- Simultaneous calculation of refinement points for automatic response surface generation (GARS)
- Sensitivity analyzes for DX in the Electronics Desktop
- Automated definition of specific settings for optimization methods

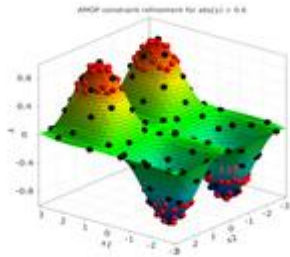
Optimization	
Method Selection	Auto
Run Time Index	1 - Quick
Estimated Number of Design Points	12
Method Name	NLPQL
Finite Difference Approximation	Forward
Allowable Convergence (%)	0.1
Maximum Number of Iterations	2

Automatic definition of specified settings for optimization

## ANSYS optiSLang

- Improved meta-models by adaptive refinement of the support points
  - Global adaptation
  - Local customization
- Integration of Rocky, Motor-CAD Workflows

- Advanced postprocessing
  - Histogram representation for signals
  - Integration of the ANSYS 3D viewer to view any Designpoint results



*Adaptive MOP*

*All information has been prepared to the best of our knowledge.  
Information provided without guarantee.*