

# **Intel Architecture Workstations**

**August 1996**

# Agenda

- **Intel Architecture Workstations**
  - Performance
  - OEM Systems & Applications
- **Benefits to IT & End Users**
  - Unified Desktop
- **Summary**

# INTEL'S PENTIUM PRO TO CREATE RISC HAVOC

LAUNCH OF HIGH-END PROCESSOR

By  
Fred Gardner

BRINGS NEW LEVEL OF COMPETITION

**I**F THERE EVER WAS ONE, the party for RISC processor architecture vendors may certainly be over now.

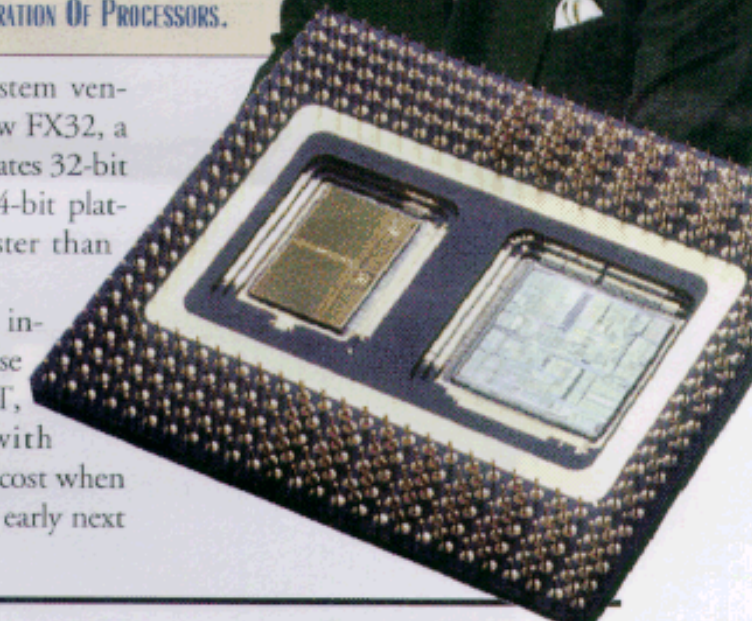
Intel's recent launch of its high-end Pentium Pro processor has sub-

stantiated and brought computer chairman Corp. Di-racked service-tion of a major RISC. Pal-Digital ing he said, "it incre-chitect-WE format-Alpha—which will move to speeds in excess of 400MHz next year while the Pentium Pro moves to

Andrew Allison, publisher of *Inside the New Computer Industry*, Carmel, Calif., said that Pentium Pro's performance puts extreme pressure on Unix vendors. Silicon Graphics Inc. and Sun Microsystems Computer Corp., both based

"Unix is dead as a client operating system, but it will take a while to fade away, and that is what is going to happen to it. No one is going to be able to proceed to the seventh generation of processors."

**D**IGITAL CHAIRMAN PALMER ADVISED STOCKHOLDERS THAT ALTHOUGH THE PENTIUM PRO HAS GREATLY INTENSIFIED COMPETITION IN RISC ENVIRONMENTS, INTEL PROBABLY FACES A MAJOR CHALLENGE TO PROCEED TO THE SEVENTH GENERATION OF PROCESSORS.



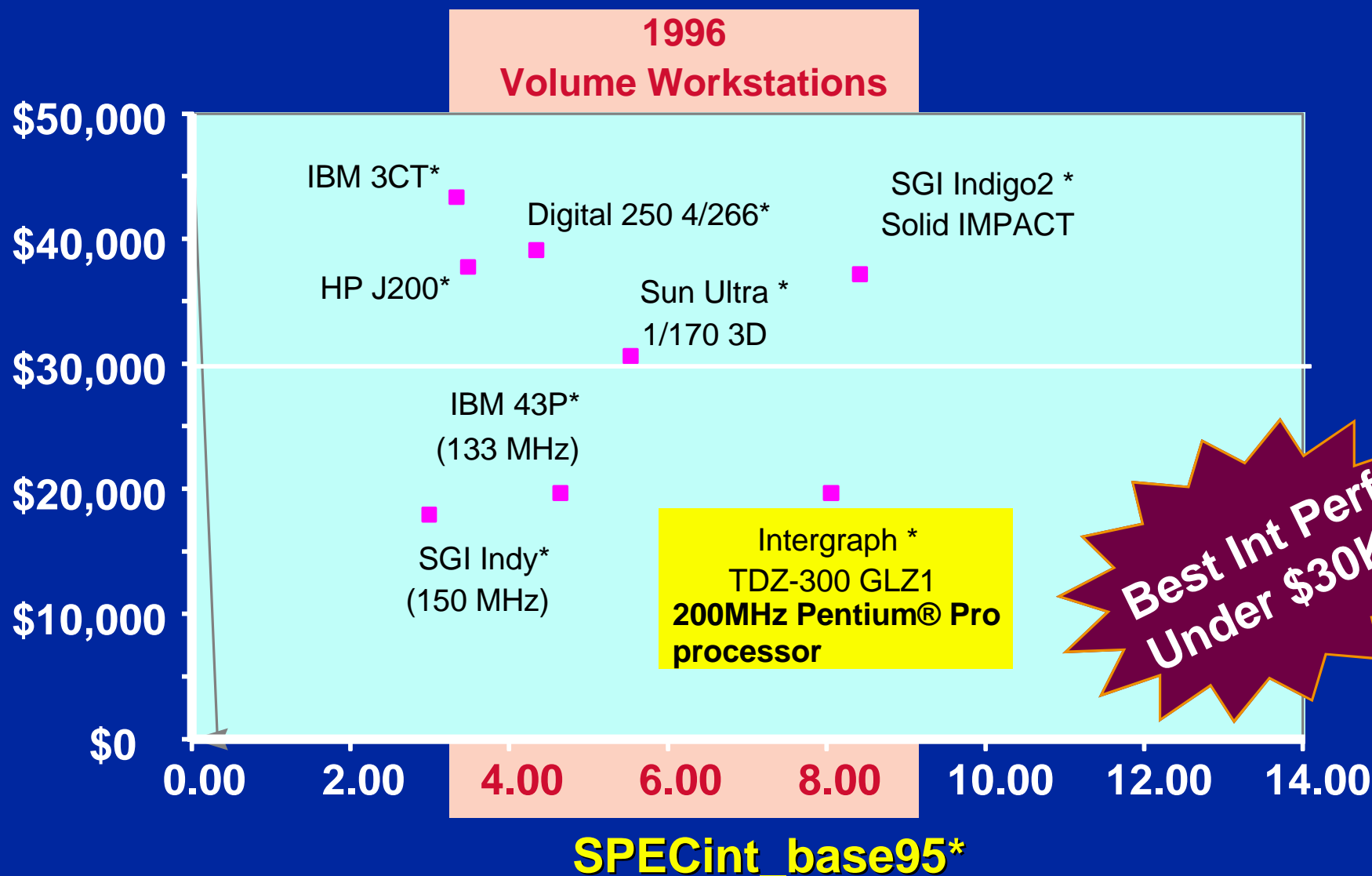
***"The Pentium® Pro (processor) will make it increasingly difficult for RISC architectures to compete with Intel. Intel surprised other RISC vendors with how much performance the Pentium Pro (processor) has."***

Robert Palmer, CEO  
Digital Equipment Corporation  
1995 Digital stockholders meeting

squeeze is on," he said.

year, Digital officials said.

# Integer Performance

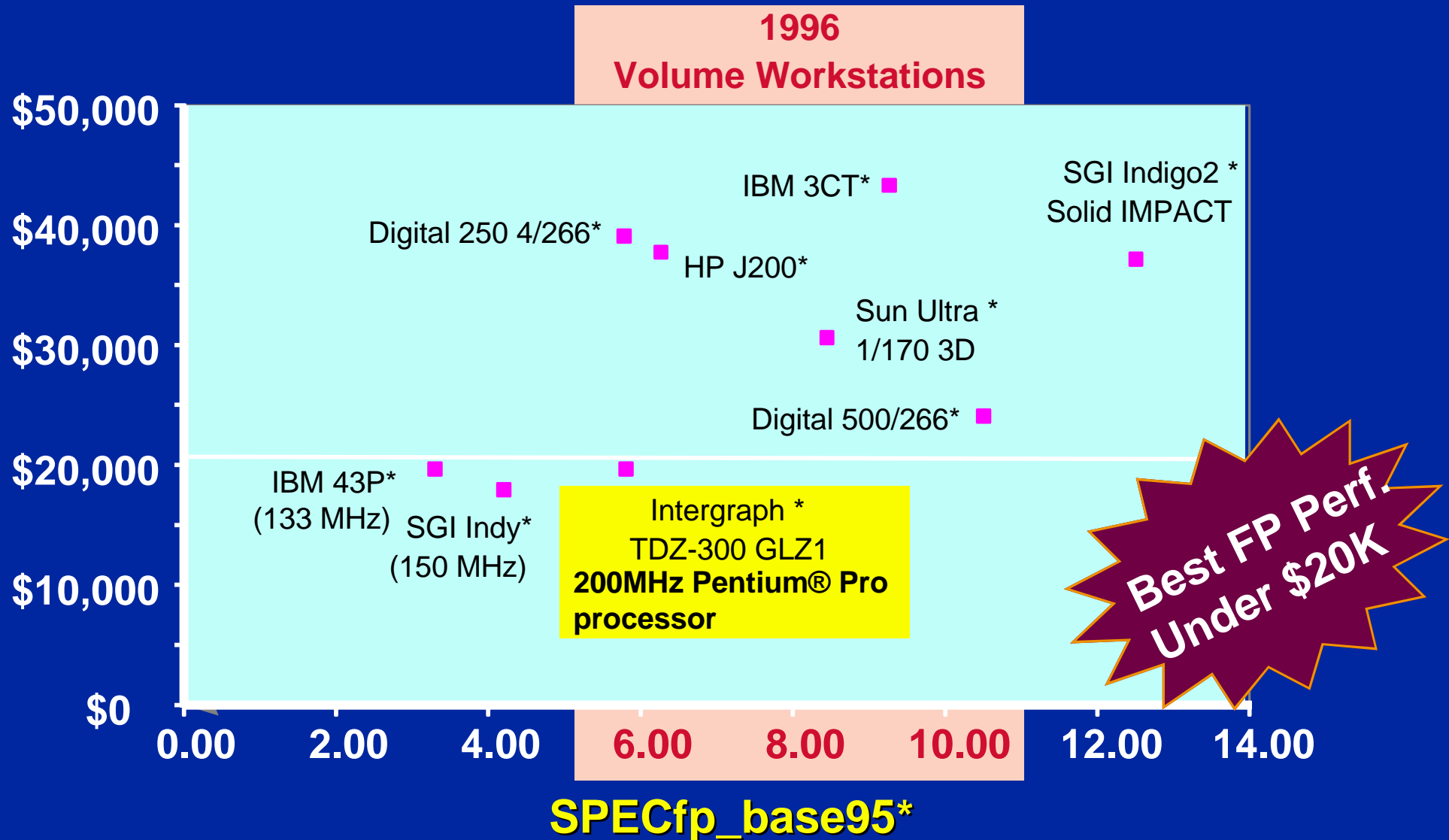


Configurations: 128MB DRAM, 2GB disk, 200K triangles/sec., 21" monitor

Source: Intel, Dataquest, SPEC reports, vendor press releases (as of 3/14/96)

\* Other brands and names are the property of their respective owners

# Floating Point Performance



Configurations: 128MB DRAM, 2GB disk, 200K triangles/sec., 21" monitor

Source: Intel, Dataquest, SPEC reports, vendor press releases (as of 3/14/96)

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# Graphics Performance

**“Intergraph has decided to compete with SGI for a share of the graphic workstation marketplace... With the TDZ series, Intergraph offers high-performance graphic workstations with features not found on most SGI models, at a price point that approaches half of the equivalent SGI system.”**

**Lou Wallace  
Editor-in-chief**

**DV (Digital Video magazine), December 1995 issue**



# Brands Available NOW

## Manufacturer

- Digital Equipment Corporation
- Hewlett Packard
- Intergraph
- NeTpower
- AST Computer
- Tristar Computer

# Applications -- Mechanical Engineering

- Name brand apps now available on Intel Architecture:

Pro/ENGINEER\*  
SolidWorks\*  
AutoCAD\*

SolidEdge\*  
Prelude DESIGN\*  
IDEAS\*

***MCAD: 3D modeling***

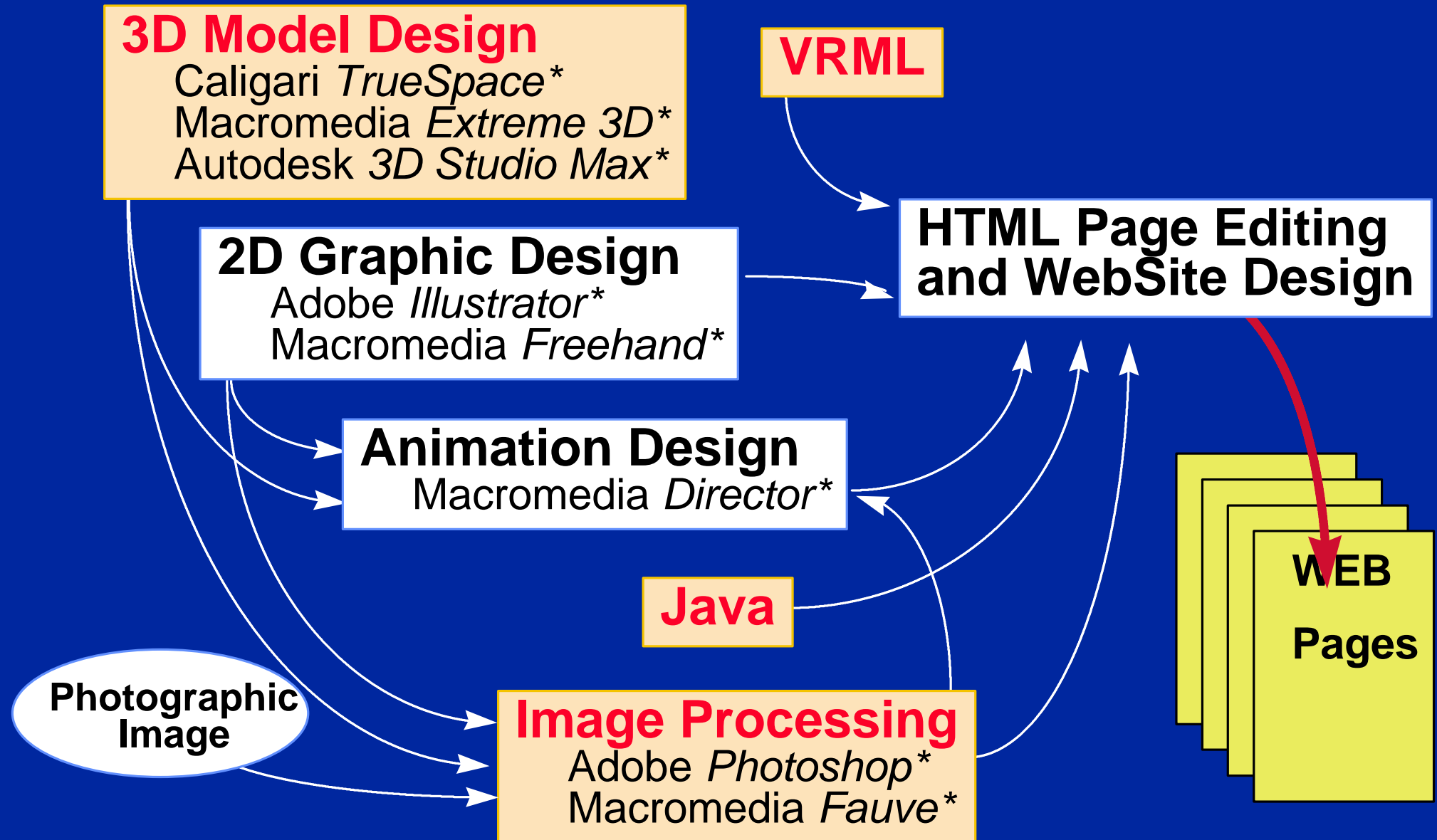
Ansys\*  
MSC/Nastran\*

***MDA: analysis***



# Digital Content Creation

Some apps available on Intel Architecture:



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# Problem

Technical  
Applications



Personal  
Productivity  
Applications



# Solution: Unified Desktop

- Object Linking and Embedding
- Native performance for all apps
- Consistent, familiar interface
- Eliminates costs in supporting 2 architectures
- Increases productivity



# Summary

- Intel Architecture workstations deliver industrial strength performance
- Hardware and software products are available NOW
- Intel Architecture workstations provide a unified desktop, resulting in lower costs and higher productivity

# The Next Wave in Business Computing

