

Technologies / Tools

Re. Technotrends

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Technologies / Tools:

- ☐ List Core Technologies
 - Current
 - Emerging
- ☐ List “Tools” related to technical problem solving
 - Existing
 - Emerging

20 Core Technologies

1. Genetic Engineering
2. Advanced Biochemistry
3. Digital Electronics
4. Optical Data Storage
5. Advanced Video Displays

20 Core Technologies

- 6. Advanced Computers
- 7. Distributed Computing
- 8. Artificial Intelligence
- 9. Lasers
- 10. Fiber Optics

20 Technologies, cont.

11. Microwaves

12. Advanced Satellites

13. Photovoltaic Cells

14. Micromechanics

15. New Polymers

20 Technologies, cont.

- 16. High Tech Ceramics
- 17. Fiber-Reinforced Composites
- 18. Superconductors
- 19. Thin-Film Deposition
- 20. Molecular Designing

Tools

1. Electronic Notepads
2. Multimedia Computers
3. Parallel Processing Computers
4. Advanced Compact Disks
5. Digital Imaging
6. Advanced Simulations

Tools, continued

- 7. Advanced Expert Systems
- 8. Neural Networks
- 9. Object-Oriented Programming
- 10. Fuzzy Logic
- 11. Electronic Data Interchange
- 12. Computer-Integrated Manufacturing

Tools, continued

- 13. Multisensory Mobile Robotics
- 14. Digital Interactive Television
- 15. Telecomputer
- 16. Desktop Videoconferencing
- 17. Advanced Flat-Panel Displays
- 18. Personal Communication Networks

Tools, continued

- 19. Digital Cellular Telephones
- 20. Diamond Thin-Films
- 21. Antinoise Technology
- 22. Recombinant DNA Technology
- 23. Antisense Technology
- 24. Endoscopic Technology