Where to Find More Information about Computer Graphics, Parallel Programming, and Related Topics

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1. References

1.1 General Computer Graphics

ACM Digital Library:  [https://dl.acm.org](https://dl.acm.org)


Graham Sellers, *Vulkan Programming Guide*, Addison-Wesley, 2017. [The must-have for Vulkan programmers. Desperately needs to be updated.]


1.2 Vulkan

http://cs.oregonstate.edu/~mjb/vulkan


Graham Sellers, Vulkan Programming Guide, Addison-Wesley, 2017. [The must-have for Vulkan programmers. Desperately needs to be updated.]


1.3 Math and Geometry


1.4 Scientific Visualization

Tamara Munzner, *Visualization Analysis & Design*, A.K. Peters, 2015. [A must-have for those interested in visualizing data.]


1.5 Shaders


[http://www.clockworkcoders.com/oglsl](http://www.clockworkcoders.com/oglsl)

### 1.6 Gaming


1.7 Color and Perception


1.8 Rendering


1.9 Images


1.10 Animation


1.11 Virtual Reality


1.12 Web


Don Brutzman and Leonard Daly, X3D: Extensible 3D Graphics for Web Authors, Morgan Kaufmann, 2007

Rémi Arnaud and Mark Barnes, Collada – Sailing the Gulf of 3D Digital Content Creation, AK Peters, 2006.


1.13 Stereographics


1.14 Graphics Miscellaneous


Ed Catmull, *Creativity, Inc: Overcoming the Unseen Forces that Stand in the Way of True Inspiration*, Random House, 2014. [A really interesting read about how the founders of Pixar ran the company in such a way that preserved the creativity of the team members.]


1.15 Parallel Programming


Chris Miller, *Chip War*, Scribner, 2022. [You might wonder why this is here. If you are curious about how silicon chip-making works under the influence of Moore’s Law, this book is for you.]


Jo Van Hoey, *Beginning x64 Assembly Programming*, Apress, 2019. [Way more than you need to know to understand how to do SIMD, but an interesting reference book anyway.]


Ian Foster, *Designing and Building Parallel Programs*, Addison-Wesley, 1995.
2. Periodicals

*Computer Graphics and Applications*: published by IEEE  
(http://www.computer.org, 714-821-8380)

*Computer Graphics World*  
(http://www.cgw.com, 603-891-0123)

*Journal of Computer Graphics Techniques*  
(http://jcgt.org)

*Computer Graphics Quarterly*: published by ACM SIGGRAPH  
(http://www.siggraph.org, 212-869-7440)

*Computer Graphics Forum*: published by Eurographics  
(https://www.eg.org/wp/eurographics-publications/cgf/)

*Computers & Graphics*, published by Elsevier  
(http://www.elsevier.com/locate/cag)

*Transactions on Visualization and Computer Graphics*: published by IEEE  
(https://www.computer.org/csdl/journal/tg, 714-821-8380)

*Transactions on Graphics*: published by ACM  
(https://dl.acm.org/journal/tog, 212-869-7440)

*Cinefex*  
(http://www.cinefex.com, 951-781-1917)

3. Professional organizations

ACM.................Association for Computing Machinery  
(http://www.acm.org)  
212-869-7440

SIGGRAPH ......ACM Special Interest Group on Computer Graphics  
(http://www.siggraph.org)  
212-869-7440

SIGCHI ..........ACM Special Interest Group on Computer-Human Interfaces  
(http://www.acm.org/sigchi)  
212-869-7440

SIGHPC.........ACM Special Interest Group on High-Performance Computing  
(http://sighpc.org)  
212-869-7440

SIGCSE.........ACM Special Interest Group on Computer Science Education  
(http://sigcse.org)  
212-869-7440
4. Upcoming Conferences

ACM SIGGRAPH North America:
   2024: July 28-August 1, Denver, CO
   http://s2024.siggraph.org

ACM SIGGRAPH Asia:
   2024: December 3-6 – Tokyo, Japan

ACM SIGCHI:
   2024: May 11-16 — Honolulu, Hawai’i
   https://chi2024.acm.org

ACM SIGCSE Technical Symposium:
   2024: March 20-23 — Portland, OR
   https://sigcse2024.sigcse.org/

SC: International Conference for High Performance Computing, Networking, Storage, and Analysis:
   2024: November 17-22 – Atlanta, GA
   https://sc24.supercomputing.org

OpenMPCon:
   2024: April 22-26 – Limassol, Cyprus
   http://openmpcon.org

IEEE Visualization:
   2024: October 13-18 – St. Pete Beach, FL
   https://ieeevis.org/year/2024/welcome.html

Eurographics
   2024: April 22-26 – Limassol, Cyprus
   https://eg2024.cyens.org.cy/
Game Developers Conference:
2024: March 18-22 – San Francisco, CA
http://www.gdconf.com

E3Expo
2025: ????
http://www.e3expo.com

PAX West (Penny Arcade Expo)
2024: August 30 – September 2 – Seattle, WA
https://west.paxsite.com

ASME International Design Engineering Technical Conferences:
2024: August 25-28 – Washington, DC
https://event.asme.org/IDETC-CIE

National Association of Broadcasters (NAB):
2024: April 14-17 -- Las Vegas, NV
https://nabshow.com/2024