Raycasting implementations – Permadi tutorial

Joseph21, February 1, 2023

All source files on: https://github.com/Joseph21-6147/Raycasting-tutorial-series---Permadi-inspired

Nr	Permadi tutorial	Source file name	Subject	Preview
1	Parts 03-09 (&15)	main - part 09a (plain rendering, hor. motion, naive distance finding algo).cpp	Non-textured rendering, horizontal motion, naïve distance finding	El se PM - SPANGOR - Francis Salari - 1000, SIG PA (1) 1976 All El STANIS - 1000 All PA (1) 1976 All El STANIS - 1000 All PA (1) 1976 All PA (
2	Parts 03-09 (&15)	main - part 09b (plain rendering, hor. motion, DDA algo).cpp	DDA implementation (instead of naïve distance finding)	ETITE EATER.
3	Part 10	main - part 10 (textured walls).cpp	Added: Wall texturing	
4	Parts 11-12	main - part 12 (textured floor).cpp	Added: Floor texturing	El solt el Mariano. Seculation (MELLIN EL 1975) 1974
5	Part 13	main - part 13 (textured ceiling).cpp	Added: Ceiling texturing	If an Mill Million as recombinate (Mill Mill Mill S) (Mill Mill Mill Mill Mill Mill Mill Mil
6	Part 14a	main - part 14a (variable height walls).cpp	Added: Variable height walls	The series of th

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7	Part 14b	main - part 14b (variable height walls - improved texturing).cpp	Added: Improved wall texturing for variable height walls	Fit about religions from the control of the control
8	Part 16	main - part 16 (vertical motion - looking up and down).cpp	Added: Effect to simulate looking up or down	El m NEI Aphylane Reconstance (ASS) (III S) (II S) (III S) (II
9	Part 17a	main - part 17a (flying and crouching).cpp	Added: Code for flying and crouching of player, in combination with variable height walls.	Committee of the commit
10	Part 17b	main - part 17b (textured roofs, optional mouse control).cpp	Added: Roof texturing and optional mouse control	
11	Part 19	main - part 19 (shading - night effect).cpp	Added: Simple form of distance shading	

Elaborations on the Permadi tutorial

Joseph21, April 22, 2023

I posted the Permadi based tutorial series in spring 2022. Currently I decided to elaborate on the Permadi tutorial series with some of my own creations:

Nr	Permadi tutorial	Source file name	Subject	Preview
12	-	main - part 20 (fractional wall heights).cpp	Experiment with walls that are ¼, ½, ¾ high – it's trivial to create walls with other fractions as well	Cost, Vigne, Name and All (All Cost)

Nr	Permadi	Source file name	Subject	Preview
	tutorial			
13	-	main - part 21a (sprites - basic rendering).cpp main - part 21b (sprites - with column based depth buffer).cpp main - part 21c (sprites - painters algo).cpp main - part 21d (sprites - looking and moving up and down).cpp main - part 21e (sprites - randomly initialized).cpp main - part 21f (demo version with 2D depthbuffer).cpp	Introduction of objects (sprites) using the technique of billboarding. These parts build up the functionality so that looking and moving up and down are supported in combination with (scaled) billboard rendering	Constitution bearing with the Constitution of
14	-	main - part 22a (class RC_Map introduced).cpp main - part 22b (map representation adapted).cpp main - part 22c (working version, bugs in roof ceil texturing).cpp main - part 22d (texturing and CD fixed).cpp	Introduction of gaps/holes in the walls, overhanging and floating blocks	