

INDEX¹

NUMBERS AND SYMBOLS

300: *Rise of an Empire*, 132, 197

2001: *A Space Odyssey*, 99, 99n7

A

Abrupt juxtaposition, 188, 192

Academy 1.33:1 ratio, 184

Accommodation, 46, 48, 49, 197, 203

Adjustability, 68

Adler, Dan, 206

Adventures of Tintin, The, 18, 197

Aesthetics of Recession, the, vii, viii,
2–4, 6, 8, 9, 24, 25, 39, 44, 69,
70, 74, 79, 88, 109, 119, 127,
138, 139, 170, 171, 174,
205–207

Albertian window, 15

Alien, 99

Amityville 3, 13

Animated surface, 177

Arrival of a Train at a Station, 182

Artificial flatness, 173–177, 180, 181,
187, 188, 190, 192, 193, 195,
197–200, 203

Artistic motivation, 25, 26

Atmospheric perspective, 46

Augmented Reality, 206

Avatar, 6, 13, 15, 16, 18, 23, 26,
84n4, 87n5, 114n2, 134, 138,
175, 188, 206

B

Barnes, Brooks, 18

Bazin, André, 52, 53, 115, 116, 131,
132, 138, 139, 207

Belton, John, 3, 17, 18, 23

Ben-Hur, 93

Benjamin, B., 99, 136

Beowulf, 198

Bicycle Thieves, 29

Big Hero 6, 175, 175n1, 180,
188–190

¹Note: Page numbers followed by ‘n’ refer to notes.

- Billy Lynn's Long Halftime Walk*, 38
 Binaural sound, the definition of, 31
 Binocular depth cues, 45, 46, 48, 52, 152
 Binocular disparity, the definition of, 45
 Binocular vision, vii, 2, 13, 15, 34, 44, 45, 48, 50, 51, 53, 74, 205
 Bird's-eye view, 87, 88, 146, 158
Blonde Emmanuelle, 13, 26
 Bogue, Ronald, 101
 Bolter, Jay, 182
Bolt 3D, 175, 175n1, 179, 180, 189
Boogie, 197, 201
 Bordwell, David, 8, 25–27, 117, 118, 129, 138, 141–143, 151, 151n2, 152
 Borisov, A., 33
 Branigan, Edward, 8, 68, 84, 113, 114, 141, 143–146, 147n1, 150, 152–157
 Brown, William, 129
 Brzeski, Patrick, 206n1
 Buscombe, Edward, 22, 25, 26
Bwana Devil, 5, 12, 13
- C**
- Cameron, James, 13, 16, 18, 23, 24, 26, 37, 38n7, 52n3, 86, 208n2
 Cardboard Effect, 33
Cave of Forgotten Dreams, 18, 26, 29
Chamber Maids, The, 12–13, 26
 Characterisation, 16, 44, 59, 119–124, 134, 161, 181, 198–200, 202
 Character perspectives, 8, 142
Chicken Little, 175, 175n1, 179, 182, 183
 Cieply, Michael, 206, 207
 Cinema of Attractions, the, 8, 18, 19, 21, 22
 Cinerama, 5
- Citizen Kane*, 81, 82
 Classic(al) Hollywood, 4, 8, 13, 19, 20, 25, 83n3
 Colour, 22, 23, 25, 26, 33, 37, 52, 53, 125, 155, 183, 190, 191, 193, 194
 Colour Mismatch, 33
Comin' at Ya, 13, 26
 Compositional, motivation, 25, 27
 Conceptual personae, 106, 107
Convergence, 13
 Conversion, 2D to 3D, 12, 28, 30, 32–34, 37, 175
Coraline, 6, 16, 23, 24, 58, 115n3, 117, 138, 175, 193, 194, 196, 197
 Corry, Dominic, 115
Crystal-image, 79, 85, 86, 99–109
 Cuarón, Alfonso, 52n3, 79, 99, 101, 134, 135
- D**
- Daley, Gareth, 36
Dark Knight Rises, The, 44, 69–72
 Deep-space composition, 118
 Deep time, 96, 97
 Deleuze, Gilles, 79, 81, 82, 85, 100, 101, 104, 106, 109
 Depth budget, 118n4, 169, 179, 180, 188, 189, 194, 195
 Depth of field, 49, 79, 81, 81n2, 82, 100, 104, 120
 Depth score, 115, 118, 178–180
 Depth script, 178, 179, 179n2, 196
 deSouza, Clyde, 1
Dial M for Murder, 5, 12, 26, 115, 116, 137, 188
 Diegesis, 2, 24, 37, 142, 144, 146, 151, 153, 154, 156, 158, 161–163, 166, 167, 169, 170, 182, 193

- Diegetic spaces, 15, 84, 145, 153, 156, 168
- Digital brushes, 132
- Digital special effects (VFX), 7, 25, 30, 34–35, 43, 50, 58, 59, 77, 78, 84, 92, 97–99, 103, 104, 106, 108, 118, 119, 128n6, 131, 132, 155n3, 168
- Digital topology, 177
- Dimensional Effects, 1, 5, 7, 11–39, 44
- Dimensionality, 13, 32, 44, 45, 56, 57, 63, 77, 83, 85, 92, 93, 160
- Directionality, 44, 57, 63, 65, 71, 73, 77–109
- Dolby Atmos, 31
- Dramatic opaqueness, 131–133
- Dredd 3D*, 30, 44, 62, 64–67, 87n6
- Dynamic floating window (DFW), 120–122, 120n5
- Dynamic stereoscopic timespace, 79, 82–85, 90–93, 96–98, 104, 108, 109, 129
- E**
- Eisenstein, Sergei, 11, 86, 206
- Elasticity, 57, 62, 64, 70, 73
- Elsaesser, Thomas, 18, 100, 119
- Emergence effect, 14, 15, 17, 23, 88, 137, 161, 169
- Evans, Bruce J. W., 45
- Everest*, 207
- Exodus: Gods and Kings*, 19, 26, 30
- Expandability, 57, 67, 70, 73
- Extreme slow motion, 44, 62–66, 87, 90, 91, 133
- F**
- Field screen, 3D, 3, 28, 28n2, 67, 87, 106, 108, 114, 117, 129, 134, 141, 142, 148–152, 154, 159–161, 166, 169, 170, 174, 207
- Filmed theatre, 115, 116, 131, 132, 138, 207
- Flat canvas, 2, 62, 67, 73
- Flatness, viii, 3, 8, 9, 44, 173–177, 180–185, 187–190, 192–200, 202, 203, 207
- Flying Swords of Dragon Gate*, 26
- Ford, Rebecca, 206
- Forster, E.M., 198, 199
- Friday the 13th Part 3*, 13
- G**
- Gardner, Brian, 120n5, 121, 122, 178, 178n2, 179
- Giardina, Carolyn, 155n3
- Gladiator*, 79, 93, 94
- Glasses-free, 208
- ‘God’s-eyes’ view, 162, 164–166
- Goldstein, E. Bruce, 45, 48
- Good Dinosaur, The*, 205
- Gravity*, 30, 68, 71, 79, 84, 86, 99–101, 104, 105, 107, 109, 134–138, 145
- Great Gatsby, The*, 26, 30, 115, 125, 142, 150, 160, 161, 167, 169
- Grusin, Richard, 182
- Guattari, Félix, 106
- Gun Fury*, 12
- Gunning, Tom, 8, 19
- H**
- Haber, Ralph Norman, 46
- Hall, Sheldon, 116
- Hamlet*, 115
- Hansel and Gretel*, 197
- Haptic cinema screen, 28n2
- Heath, Stephen, 144, 152

- Henry V*, 115
 Hershenson, Maurice, 46
 Herzog, Werner, 18, 26
 HFR, *see* High frame rate
 Higgins, Scott, 12, 14, 16, 18, 23, 24, 117, 194
 High frame rate (HFR), 7, 12, 27–30, 36–38, 37n5, 208n2
 Hitchcock, Alfred, 5, 12, 26, 115, 116, 137
Hobbit, The, 19, 29, 36–38, 77n1
Hobbit: An Unexpected Journey, The, 36
 Horizontal disparity, 33
Hotel Transylvania, 205
House of Wax, 5, 12
 Howard, Ron, 205, 207
Hugo, 18, 24, 26, 30, 68, 100, 117, 142–150, 173–175, 182–185, 187, 197
 Human timespaces, 93, 96, 97
Hunger Games: Mockingjay —Part 2, The, 205
 Hybrid 3D, 32, 34
 Hyper-haptic mode, 57
 Hyper-realism, 2, 7, 35, 38, 39, 43, 57, 72, 131–133, 205, 207
 Hyper-reality, 7, 72
- I**
- Ide, Kai, 33
 IMAX, 13, 19, 206
 Impersonality, 144, 145, 155, 156
 Intangible space, 68
 Interaxial, the, 13, 14, 23, 46, 138, 179
See also Interocular Distance
 Interocular Distance (IoD), 13, 14, 46, 49
 Intersubjective relationship, 141, 154, 160, 166–169
 Intersubjectivity, 151
In the Heart of the Sea, 205, 207
- Intolerance*, 81, 82
 Intrasubjective relationship, 141, 142, 152, 154, 155, 169–170
 Intrasubjectivity, 151
 Inverted perspective, 151n2
 Invisible observer, 8, 141–150, 152, 154–158, 161, 166, 170
- J**
- Jackson, Peter, 19, 36–38, 37n5, 77n1
Jaws 3D, 13
 Jockenhövel, Jesko, 16, 22, 23, 25, 26
Journey to the Center of the Earth, 6
 Judder, 38
Jurassic World, 30
Juxtaposition, 9, 181, 187, 188, 190–192, 195, 202
- K**
- Katy Perry. Part of Me*, 29
 Kerbel, Michael, 3–6
 Keyes, Rob, 71, 72
Killing Them Softly, 44, 62, 65–67
 King, Geoff, 4, 7, 19–21
Kiss Me Kate, 6, 26, 32
 Knorr, Sebastian, 33
 Kormakur, Baltasar, 207
 Kozachik, Pete, 58, 194, 195
 Kracauer, Siegfried, 7, 44, 45, 49, 51–54, 56–58, 73
Kung Fu Panda-2, 175, 199–201
- L**
- Laforet, Vincent, 37
Lawrence of Arabia, 102, 183
 Lee, Ang, 18, 26, 38, 38n6, 44, 57–62, 84n4, 117, 118, 120, 121, 123, 128, 128n6, 129, 142, 160, 165n4, 167, 168, 170, 207

Leotta, Alfio, 37
Les Parents Terribles, 115
Life of Pi, 18, 26, 30, 44, 58, 59, 61,
 87, 120, 121, 127, 128, 128n6,
 142, 150, 160, 167, 169, 197
 Linear perspective, 46, 151, 170
 Lived cinematic subjectivity, 159, 166,
 169
Lord of the Rings, The, 19
Love 3D, 30, 35
 Lumière Brothers, 182

M

MacDonald, David, 140
Magnificent Bodyguards, 26
 Malpas, Jeff, 177, 178
Man in the Dark, 12, 14
 Manovich, Lev, 9, 198, 199
 Marchessault, Janine, 208
 Marks, Laura U., 28n2
Martian, The, 19, 205
 Mather, George, 56, 146
Matrix, The, 79, 109
 McClean, Shilo T., 21, 30
 McClintock, Pamela, 206
Meet the Robinsons, 175
 Méliès, Georges, 182, 185–187
 Mendiburu, Bernard, 120n5
 Mise en scene (mise-en-scène), 3, 78,
 84, 84n4, 99, 104, 109,
 116–118, 126, 129, 130,
 132–134, 137, 138, 161, 164
Miss Sadie Thompson, 5
 Mixed Reality, 206
 Monocular pictorial cues, 45, 46
 Montage, 3, 9, 52, 63, 84, 84n4,
 118, 129, 167, 168, 197–199,
 202
Morph, 9, 181, 193, 195–197, 202
 Motion cues, 56, 146, 147, 159
 MSU Graphic and Media Lab, 33n3

N

Napadovsky, V., 33
 Narration, 114, 142–145, 152, 157,
 158, 160–163
 Narrational perspectives, 7, 162, 163
 Narrative agency, 79
 Narrative, definition of, 113
 Narrative immersion, 30, 35
 Narrative minimalism, 134
 Narrative tropes, 2, 3, 7–9
Nashville, 29
 Native 3D, 32, 34
 Natural timespaces, 93, 96, 97
Need for Speed, 26, 85–87, 89, 91, 92,
 94, 108
 Negative parallax, the, 2, 3, 8, 14–16,
 23–25, 28, 46–48, 54–57, 60–62,
 64, 67, 69, 70, 73, 82, 88, 89,
 91, 98, 124, 126, 129, 135, 137,
 138, 145, 149, 150, 161–163,
 169, 170, 173, 174, 176, 179,
 180, 186, 205
 Negative volume, the, 2, 57
 Nelson, Jerry, 45, 46, 48
 Neuman, Robert, 175, 175n1,
 178–180, 189
 Neutrality, 144, 145, 155–157
 New Hollywood, 4, 6
Night of the Living Dead, 6

O

Obradovic, Sanja, 208
 O'Brien, Charles, 22, 23, 25
 Occlusion, 46
 One-camera mechanism, 54, 55
 Ontological montage, 9, 197–199, 202
 Ontological symbiosis, 176, 177, 181,
 187, 197, 199
 Other world, the, 194–196
 Oval sphere, 2, 57, 62, 67, 73, 82,
 119, 176

P

Palpability, 62–67
 Parallax range, 179
 See also Depth budget
 Parallel perspective, 151n2
 Parallel-camera mechanism, *see*
 Two-camera mechanism
 Parks, Chris, 138
 Passivity, 144, 145, 155, 156
 Paul, William, 3, 5, 12–16, 26, 85, 98,
 191
 Perceptual Realism, 21, 30
Perfect Storm, The, 44, 58–60, 79, 80,
 127
 Perspective, definition of, 13, 28, 34,
 141–144, 146–158, 160–171
 Peters, James, 177
 Phenomenon of emergence, 15, 17
 Photorealism, 52, 78
 Physical reality, 43, 44, 49–56, 58, 62,
 68–70, 73
 Pictorial narration, 143
 Pierson, Michele, 33, 78
Pina, 18, 26, 29, 31
 Pipeline, 119, 132
Piranha 3D, 6, 18
 Plasticity, 57, 58, 64, 67, 68
 Plot, 4, 20, 21, 43, 83, 89, 94, 104,
 116, 127, 155, 161, 184, 186,
 187
 Point of Convergence (POC), 46, 49
 Point of view (POV), 45, 128, 130,
 133, 138, 142–145, 151, 154,
 157, 164, 165, 165n4, 167, 170
Polar Express, The, 13, 175
Pompeii, 26, 85, 87, 93–98, 108
 Pop-out effect, 5, 17
 Positive parallax, the, vii, 2, 3, 8, 14,
 16, 23–25, 28, 46, 55–57, 60–62,
 64, 67–70, 73, 79, 82, 86, 88,
 97–99, 104, 109, 118–121,
 127–130, 135, 136, 138, 149,

150, 155, 160–162, 167, 170,
 173, 174, 176, 179, 180, 186,
 200–201, 205
 Positive volume, the, 2, 57
 Post-continuity, 35, 72, 81
 Post-processed 3D, 32, 34, 122, 125
 Primary stereoscopic timespace, 79,
 82, 83, 87–90, 93, 94, 96
 Prince, Stephen, 30, 53, 63, 65, 66,
 72, 73, 77, 81, 114, 115, 118,
 119, 178, 195, 198
Prometheus, 18, 68, 79, 85, 99–101,
 99n7, 103, 109, 183
 Protrusion effect(s), vii, 2, 5, 11n1,
 14–17, 24, 25, 47, 55, 64, 69,
 70, 73, 86, 89, 98, 117, 120,
 126, 155, 162, 205
 Purse, Lisa, 17, 58, 135, 174, 187

R

Realism, 3D, 25, 27, 29–31, 35, 38,
 39, 43, 53, 205
 Realistic motivation, 25, 27
 Reality effect, vii, 2, 22, 31, 32, 43,
 44, 50, 53, 56, 73, 205, 208
 Real world, the, 30, 31, 52, 59, 73,
 181, 193–196
 Recreation of perceptual (hyper)reality,
 7, 43–74
 Redemption of physical reality, 7,
 43–74
 Relationalities, 68–70, 72, 135, 186
 Relative size, 46, 56
Remediated insertions, 182–184
Remediation, 9, 181–183, 185–187,
 189, 190, 192, 202
Resident Evil: Afterlife, 183
 Retinal disparity, 45, 46, 48
 Rodowick, D. N., 51, 101
 Rooney, David, 38n6
Rope, 115

- Ross, Miriam, 3, 13, 25, 27–29, 28n2, 33, 35, 35n4, 57, 64, 67, 73, 84n4, 114n2, 117, 125, 129, 141, 149, 152, 159, 181, 188, 190, 191, 195
- Ross, Sara, 18, 68, 87n5
- Rushton, Richard, 100, 107
- S**
- Safety Last*, 185
- Sandifer, Philip, 3, 15, 17, 206
- Saving Private Ryan*, 29
- Schilowitz, Ted, 36, 37
- Scorsese, Martin, 18, 24, 26, 68, 100, 117, 142, 145, 148, 185, 187
- Seeds, 102
- Selick, Henry, 16, 23, 24, 117, 194, 195
- Sequential juxtaposition*, 188, 190, 192
- Sharpness Mismatch, 33
- Shaviro, Steven, 72, 81
- Sheet, 105, 106
- Shrink effect, definition of, 60
- Sikora, Thomas, 33
- Sin City* (2005), 155–157
- Sin City: A Dame to Kill For* (2014), 142, 155, 155n3, 175, 183, 183n3, 188, 192, 193, 197, 201
- Slow-Motion Violence, 62–63
- Smith, Murray, 153
- Sobchack, Vivian, 8, 141, 142, 150, 152–155, 159, 170
- Spaghetti Western, 13, 26
- Spatial distancing, 83
- Spectacle, vii, 1, 4, 8, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 31, 35, 54, 58, 59, 62, 63, 68, 73, 78, 79, 80, 85, 86, 87, 88, 89, 91, 92, 93, 94, 97, 98, 99, 102, 104, 109, 114, 115, 120, 122, 131, 155, 168, 173, 187, 205, 206, 207
- Spectacular immersion, 28, 30, 35, 43
- Spectacularity, 21
- Spectatorial perspectives, 3, 8, 142, 153
- Staging drama in depth, 8, 113–139
- Star Trek: Into Darkness*, 44, 68, 69, 72, 87, 87n5, 122, 125
- Star Wars: The Force Awakens*, 206, 206n1
- Star Wars: The Last Jedi*, 19
- Steps*, 198
- Stereo-collage, 167, 168
- Stereographer(s), 46n1, 115, 121
- Stereopsis, 45, 46, 48
- Stereoscopic cinema, 4, 7, 13, 34, 45, 46, 48, 57, 60–62, 66, 67, 73, 77, 81, 86, 92, 114, 117–119, 139, 152, 176, 206, 207
- Stereoscopic crystal-images, 86, 101, 104, 107–109
- Stereoscopic depth, 8, 9, 45, 77n1, 90, 127, 158, 175n1, 178, 179, 195, 198
- Stereoscopic hyperrealism, 7, 57, 131–134
- Stereoscopic illusion, 48, 52, 54, 73, 82, 127, 187
- Stereoscopic narrative, 1–9, 24–38, 92, 134, 152, 160–170, 190
- Stereoscopic ontologies, 173–203
- Stereoscopic sound, 12, 28, 30, 31
- Stereoscopic timespace(s), 7, 77–109, 129, 129n7
- Stereoscopy, 2–4, 7, 13, 28, 29, 38, 52, 62–67, 73, 83, 113, 114, 150, 179, 182, 192, 195, 206
- Stolworthy, Jacob, 38n7, 208n2
- Story, 4, 18, 21, 23, 37, 58, 64, 72, 80, 83, 85, 93, 114, 120–123, 137, 142, 144, 156, 160, 163, 165, 167–169, 174, 178–180, 183–186, 190, 191, 194, 198, 199, 205
- Strobing, 38
- Subjective stereoscopic timespace, 79, 82, 85, 86, 99–109

- Subjectivity, 113, 141, 143–145, 147, 148, 150, 152–157, 159, 161, 166, 169, 170, 173
- Sumin, D., 33
- Swan Lake 3D*, 29
- Sylwan, Sebastian, 34, 119
- Symbiosis, 176–202
- Synthesis*, 9, 77, 181, 197–202
- Synthetic perspective, 151
- T**
- Tangible space, 68
- Tango*, 198
- Temporality, 77, 79, 80, 92–94, 97, 109
- Temporalized space, 78, 79
- Thompson, Kristin, 117, 118, 138
- Timespace(s), viii, 3, 7, 8, 59, 78, 109, 129, 129n7, 207
- Titanic 3D*, 32
- Topological depth, 178, 181
- Total cinema, 52
- Transformers: Dark of the Moon*, 26
- Trans-Subjective Narrative Perspective, 8, 141, 142, 147, 150, 155, 160, 161, 167, 169, 170
- Transtextual motivation, 25
- Trip to the Moon, A*, 182–187
- Turnock, Julie, 27, 29, 36, 37
- Two-camera mechanism, 7, 44, 50, 54, 73, 205
- U**
- U2 3D*, 29
- Up*, 182–184
- V**
- Vatolin, D., 33
- Vázquez, Carlos, 34
- Verisimilitude, 15, 28, 30, 32, 34, 39, 43, 53
- Vertical Disparity, 33
- Verticality*, 85–87, 89, 92, 94, 95, 97
- Virtual depth, 173, 175–180, 185, 187, 192, 193, 195, 197–200, 203
- Virtual Reality, 206
- Virtual stereoscopic CG camera rigs, 34
- Viscerality, 62, 64, 202
- Visuality, 3D, 28, 39, 57, 73, 173, 175, 176, 185, 192, 197, 199
- Volumetric Dramaturgy, 8, 113–115, 117–119, 127, 128, 131, 134, 137–139
- Volumetric Duality, 57, 62, 64, 73
- Voronov, A., 33
- W**
- Walk, The*, 205, 206
- Walter, Jason, 34, 119
- Webb, Beth, 35
- Weetch, Owen, 134, 135, 145
- Wenders, Wim, 18, 26
- Whissel, Kristen, 86, 95, 97
- Widescreen, 5, 12, 23, 87, 201
- Wing, Jeannette, 130, 178
- Wizard of Oz, The*, 23
- Wood, Aylish, 7, 8, 59, 68, 70, 72, 77–80, 82, 83, 85, 95
- Workers Leaving the Lumiere Factory*, 182
- World, vii, 2, 18, 19, 23, 24, 27, 30, 31, 37, 39, 43, 52, 53, 56, 59, 63, 66, 72, 73, 77, 96, 109, 117, 119, 138, 142, 144, 150, 151, 154, 156, 159, 167, 169, 173, 174, 176, 178, 181, 188, 190, 191, 192, 193, 194, 195, 196, 200, 202, 203, 206n1

World War Z, 128, 129, 131

Wreck-It Ralph, 175, 181, 188, 190,
193, 195, 197

X

X-axis, 57, 70, 86, 108

Xiao, Yang, 207

Y

Y-axis, 57, 70, 86, 108, 181, 201

Young and Prodigious T.S. Spivet, The,
26

Z

Z-axis, 5, 8, 31, 32, 47, 56, 57, 64, 70,
81, 82, 86, 88, 89, 97, 105, 108,
113–115, 118–120, 123, 126,
128–131, 133, 135–137, 142, 173,
176, 178, 180, 181, 197, 201–203

Zemeckis, Robert, 13, 198, 205, 206

Zero parallax, 2, 28, 46, 167, 174,
176, 195

Zettl, Herbert, 1, 31, 39, 46, 47n2,
48, 49, 61, 81n2, 119, 120, 125

Zhang, Liang, 34

Zone, Ray, 5, 6, 12–14, 16, 17, 21,
31, 32