

INDEX

- alumina, 71, 101, 103, 107,
120
oxide, 103, 107, 118
atangana-baleanu, 96, 105
- bvp4c, 2, 50, 75, 85
- caputo, 100–01, 104
carbon nanotubes, 39
carreau, 40
casson, 31, 101, 103, 106–07,
114
chemical reaction, 31, 39, 116
copper, 99, 101, 107, 114
crank-nicolson, 89
- dual solutions, 51, 57
- eckert number, 42, 47, 56, 75–
76
eigenvalue, 49–50, 60
- fractional, 84, 100, 104
- graphene oxide, 40
- Hartmann number, 106–07
- homotopy analysis, 115
- joule heating, 71
- Keller-box, 115, 123
- Laplace transform, 99, 101,
104–05, 107
Lorentz force, 52–53, 90, 101,
107
- magnetohydrodynamic, 2, 31,
39–40, 61, 71, 84, 100
mass transition, 117
microscopic, 116
- Nusselt number, 42, 47, 51, 53,
88, 90, 114, 130–31
- porosity, 89, 94
Prandtl number, 37, 47, 50, 75
- radiation, 2, 27, 69, 85, 89, 95,
100, 102, 114
Reynold number, 117, 121
riga plate, 99, 101, 107

- Rosseland's approximation, 104
- skin friction, 41, 47, 53, 60, 75, 79, 117, 125–27
- stagnation, 67–69, 71, 78, 85
- stretching, 31, 43, 73
- suction, 47, 55, 115, 124–27
- thermal radiation, 3, 85, 95, 102, 114
- thin-film, 114, 116, 121, 125–27
- titanium dioxide, 42, 44, 58, 114
- unsteadiness, 71, 76, 115, 120
- vosviewer, 7, 16, 21, 33
- web of science, 5, 10,
- Zakian's method, 101, 107