

- geometrical labours of, neglected in Germany, 242; spectrum analysis, 278; researches of, ii. 75; electrical researches, 189; on "singularities of curves," 641; 670; new geometry, 671; 672; deficient in elegance, 677, 682; and Sophus Lie, 692; on higher curves, 700.
- Plutonists. See Neptunists.
- Poggendorf, 'Annalen,' i. 43, ii. 128, 133, 169, 487; refused Helmholtz's 'Ueber die Erhaltung der Kraft,' i. 205; Dictionary of, silent about Avogadro, 428; refused Mohr's 'Ueber die Natur der Wärme,' ii. 107.
- Poincaré, H., lectures on Maxwell's theories, i. 251; on indefiniteness of electro-magnetic theory, ii. 93; astronomical mechanics, 101; Paris Address, 1900, 188; discourse of, 199; quoted, 635; quoted on Weierstrass, 638 *et seq.*; 703, 705; on "function," 639; 686, 690; on Riemann and Weierstrass, 707, 708; 737.
- Poinsot, ii. 5; "geometrical mechanics," 101; on synthetic method, 670.
- Poisson, mechanics, i. 44; 188, 345; electricity, 347; "mécanique moléculaire," 359; 360; analysis of, 362; 370; Newton's law, 379; Fresnel's calculations, ii. 25; retired from commission on Fresnel's theory of transverse vibrations, 26; theory of elasticity, 31, 41; 32; properties of ether, 33; referred to by Faraday, 69; formula of, 72; theory of electric and magnetic phenomena, 74; 'Mémoire sur la Théorie du Magnétisme' quoted, 75; referred to, 76; 474; science of chances, 568; on convergence, 646; on Jacobi, 657; on synthetic method, 670; 686.
- Polarisation of light, ii. 22.
- "Polarity," origin of the word, ii. 22.
- Polymorphism, i. 446.
- 'Polytechnic Journal,' Dingler's, ii. 134.
- 'Polytechnique, l'École, Journal de,' i. 41.
- Poncelet, J. V., mathematics, i. 45; new science of geometry, 114; 187; definitions of horse-power and work, 309, 360, ii. 5; 'Traité,' 76, 660; 'Mécanique industrielle,' 100; practical school of, *ib.*; his influence on practical mechanics, 101; thermotics, 118; first definite use of new conceptions of power and work, 137; 658 *et seq.*; his principle of continuity criticised, 660; quoted, 662; on "homology" and "reciprocity," 663; 673; on ideal elements, 674; 684, 685, 692.
- Pond, not member of any university, i. 238.
- Poole, 'Index to Periodical Literature,' i. 40.
- Pope, influence of, on German thought and literature, i. 212.
- Popper, Jos., ii. 185.
- Positivism, i. 307.
- Potential, ii. 698.
- Pouillet, Ohm's law, i. 365; influenced German thought, ii. 101; heat experiments, 357.
- Poulton, Weismann's Essays, ii. 372.
- Power Series, Infinite, ii. 707.
- "Power," the term, introduced by Watt, ii. 99.
- Poynting, Prof., contributions to Maxwell's electro-magnetic theory, ii. 72; 193; and Thomson's 'Text-book of Physics,' Sound, 489.
- Practical Problems, solidarity of, i. 32.
- Preston, T., ii. 361.
- Prévost, theory of exchanges, ii. 46.
- Preyer, Prof. W., theory of "Panpernia," ii. 369; school of Darwinism in Germany, 436; 470.
- Priestley, chemical discoveries of, i. 115; 155; scientific discoveries of, 229; not member of any university, 238, 272; 'History of Optics,' 358, ii. 9; follower of Boscovich, i. 359; and Lavoisier, 386, 387; effect of plants on air, ii. 391.
- Prime numbers, ii. 722 *et seq.*
- Pringle-Pattison. See Seth.
- Pringsheim, A., on theory of functions, ii. 693; 734, 739.
- Pringsheim, N., observations, ii. 447.
- Pritchard, "immersion" system in microscope, ii. 228.
- Probability, theory of, i. 118, ii. 566.
- Prochaska, "reflex action," i. 292; ii. 519.
- Proclus on Greek mathematicians, ii. 634.
- Progress, intellectual, two factors of, i. 27.
- Projection, method of, ii. 663.
- Projective and metrical geometry, ii. 668; properties, 717.
- Proportions, fixed, rule of, i. 392; multiple, rule of, 398.
- 'Protogæa' of Leibniz, ii. 277, 280.