

NAMED EQUATIONS AND LAWS IN CHEMISTRY

(E – G)

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George Sharp Eadie

3 May 1895 - 1976

Canadian-American, b. Toronto, Ontario, Canada

Eadie plot

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John Oelhaf Edwards

22 July 1922 - ?

American, b. Sewickley, Pennsylvania, USA

Edwards equation

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Paul Ehrenfest



18 January 1880 - 25 September 1933
Austrian, b. Vienna, Austria

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Ehrenfest adiabatic law

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Manfred Eigen



9 May 1927 -
German, b. Bochum, Ruhr, Germany

Nobel Prize Chemistry 1967

Eigen curve

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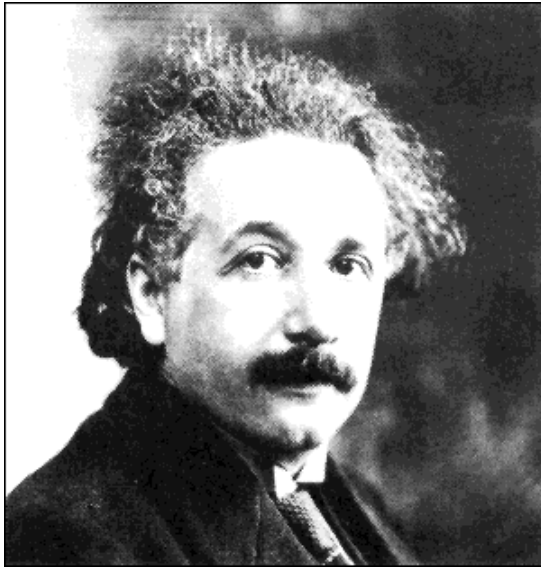
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Chemical Society: Washington, DC, 1993

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Peter Bedrick Books: New York, 1983

Albert Einstein



14 March 1879 - 18 April 1955

German-Swiss-American, b. Ulm, Bavaria, Germany

Einstein mass-energy equation

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Einstein, A., *Berlin Sitzber.* **1915**, 778; 799; 831; 844

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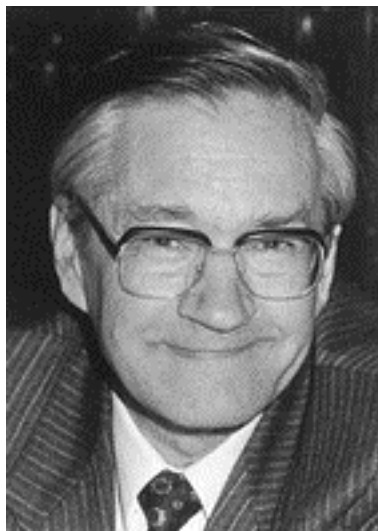
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Richard R. Ernst



14 August 1933 -
Swiss, b. Winterthur, Switzerland

Nobel Prize Chemistry 1991

Ernst angle

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Meredith Gwynne Evans

1904 - 25 December 1952
British, b. Atherton, Lancashire, England

Evans-Polanyi relation

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Henry Eyring

20 February 1901 - 26 December 1981
Mexican-American, b. Colonia Juarez, Mexico

Eyring equation, Eyring plot

Eyring transition state theory

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Michael Faraday



22 September 1791 - 25 August 1867
British, b. Newington Butts, Surrey, near London, England

Faraday's law, Faraday effect

Faraday, M., *Phil. Trans.* **1833**, 123, 23

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Adolph Eugen Fick

3 September 1829 - 21 August 1901

German, b. Kassel, Germany

Fick's first law of diffusion

Fick's second law of diffusion

Fick, A., *Ann. Physik* **1855**, 94, 59

Biographical References:

Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1980

Paul John Flory



19 July 1910 - 8 September 1985
American, b. Sterling, Illinois, USA

Nobel Prize Chemistry 1974

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Vladimir Alexandrovich Fock (Fok)

22 December 1898 - 27 December 1974
Russian, b. St. Petersburg, Russia

Hartree-Fock equation

Hartree-Fock orbital

Hartree-Fock method

Hartree-Fock limit

Hartree-Fock approximation

Fock operator

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Joseph Louis Gay-Lussac



6 December 1778 - 9 May 1850

French, b. St. Léonard, Haute Vienne, France

Gay-Lussac's law

Gay-Lussac, J.L., *Ann. Chim. Phys.* **1802**, 43, 137

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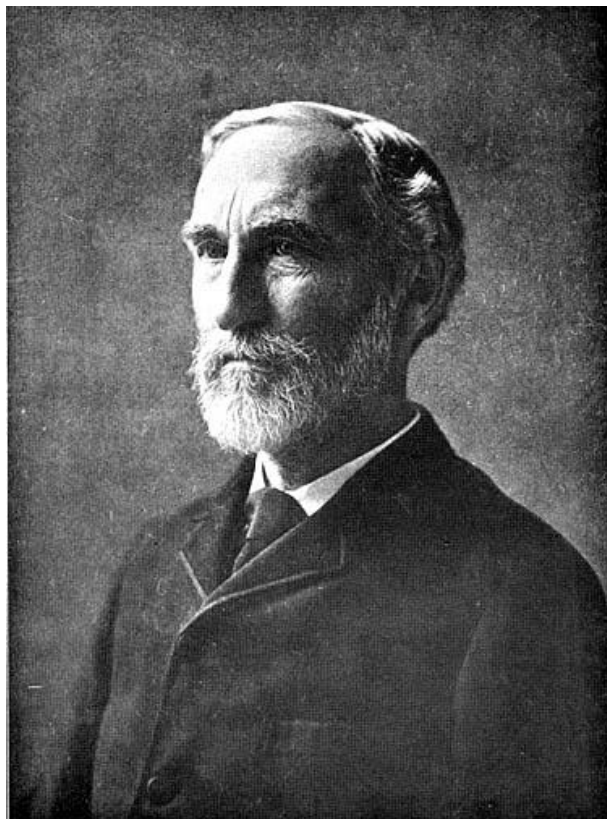
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Josiah Willard Gibbs



11 February 1839 - 28 April 1903
American, b. New Haven, Connecticut, USA

Gibbs equation

Gibbs-Duhem equation

see Pierre Maurice Marie Duhem

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Maria Goeppert-Mayer



German-American, b. Kattowitz, Upper Silesia, now Katowice, Poland

Bigeleisen-Goeppert-Mayer heavy atom approximation

see Jacob Bigeleisen

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Thomas Graham



20 December 1805 - 11 September 1869

Scottish, b. Glasgow, Scotland

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Philipp Gross

30 September 1899 - ?

Austrian, b. Vienna, Austria

Gross-Butler equation

see John Alfred Valentine Butler

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Theodor Christian Johann Dietrich von Grotthuss

20 January 1785 - 26 March 1822

German, b. Leipzig, Germany

Grotthus-Draper law

see John William Draper

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Ernest Max Grunwald

2 November 1923 -

German-American, b. Wuppertal, Germany

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