al-Battani (Albategnius)
AD 858 – AD 929

Arab astronomer and mathematician who accurately determined the solar year to be 365 days, 5 hours, 46 minutes, an…

al-Farabi (Alpharabius)
AD 872 – AD 950

Arab cosmologist, logician, and historian who broke with the neo-Platonic trend in Arab philosophy to emphasize a mor…

Jabir ibn Hayyan (Geber)
AD 720 – AD 815

Considered the "father of chemistry", his works influenced European alchemists, emphasizing systematic experimentation and precise measurements. H…

ibn Yunus
AD 950 – AD 1009

Egyptian astronomer and mathematician whose work the al-Zig al-Kabir al-Hakimi contained dozens of accurate observations…

Proclus Diadochus
AD 411 – AD 485

Platonic teacher whose studies led him to the Academy in Athens, where he eventually became director. He oppose…

al-Khwarizmi (Algoritmus)
AD 780 – AD 850

Persian mathematician and astronomer whose Katib al-Jabr (the "algebra") presented methods to systematically solve linear and quaderatic equations. His method…

al-Biruni (Alberuni)
AD 973 – AD 1048

Scientist, primarily researching physics and chemistry, as well as historian, who incorporated ideas from india in his theories, which emphasized a…

John Philoponus
AD 490 – AD 570

Christian philosopher in Alexandria who wrote critical commentaries on Aristotle and forwarded his own theories o…

Hunain ibn Ishaq (Johannitius)
AD 809 – AD 873

Nestorian Christian scholar and physician, he translated scientific works from Greek into Arabic and Syriac, making classica…

ibn Sina (Avicenna)
AD 980 – AD 1037

Considered the foremost phycisian of his time; his works on medicine combined his own experience with the teachings o…

Dionysius the Areopagite
AD 500 – AD 550

Often "Pseudo-Dionysius" to distinguish him from the judge mentioned in Acts, this fifth-century mystic wrote a number o…

al-Farghani
AD 820 – AD 861

Wrote "Elements of Astronomy" to explain Ptolemy's "Almagest"; this work influenced European astronomy fo…

ibn al-Haytham (Alhazen)
AD 965 – AD 1039

Father of Optics whose "Book of Optics" included experiments with lenses and mirrors, and an exposition on refraction, reflection, and the dispersion o…

ibn Rashd (Averroes, the "Great Commentator")
AD 1125 – AD 1198

Averroes' commentaries on Aristotle provided the impetus for St. Thomas Aquinas' attempts to create a coherent single world view reconciling Ari…

AD 450 AD 500 AD 550 AD 600 AD 650 AD 700 AD 750 AD 800 AD 850 AD 900 AD 950 AD 1000 AD 1050 AD 1100 AD 1150 AD 1200 AD 1250