

Popular Writings*

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26. Azher Majid Siddiqui and Sameen Ahmed Khan,
Ion Beam Channeling Studies in India.
27. Sameen Ahmed Khan,
Donated Synchrotrons Light Up the World.
28. Sameen Ahmed Khan and Azher Majid Siddiqui,
SESAME the International Science Centre in the Middle East.
29. Sameen Ahmed Khan and Azher Majid Siddiqui,
Synchrotron Radiation Facility in the Middle East.
30. Sameen Ahmed Khan,
Jordan to host Middle East's First Synchrotron.

31. Sameen Ahmed Khan and Modesto Pusterla,
Call for Creation of Accelerator & Beam Physics Division
(in the European Physical Society),
(*to be re-communicated*).
32. Sameen Ahmed Khan,
Alone as a Nation.
33. Sameen Ahmed Khan,
Coming of the Synchrotron Light Source in the Middle East.
34. Sameen Ahmed Khan,
Notes on Science & Technology Scenario in Andhra Pradesh.

In March 2005, I was appointed as the *Regular Correspondent* for the ICFA Beam Dynamics Panel Newsletters, for the regions of Middle East & Africa. ICFA, the International Committee for Future Accelerators, provides a forum to discuss and implement plans for further promoting collaborative accelerator-based science. Its primary purpose is to strengthen collaboration in accelerator-based science, to encourage future projects, and to make recommendations to governments. Further details at:

<http://icfa-usa.jlab.org/archive/newsletter.shtml>

Integer Sequences

<http://www.research.att.com/~njas/sequences/>, <http://NeilSloane.com/>
<http://oeis.org/>, <http://www.oeisf.org/>
<http://SameenAhmedKhan.webs.com/integer-sequences.html>

- **Integer Sequences in Resistor Networks:**
 Sequence A174283, Sequence A174284, Sequence A174285, Sequence A174286,
 Sequence A176497, Sequence A176498, Sequence A176499, Sequence A176500,
 Sequence A176501 and Sequence A176502.
- **Integer Sequences for Primes in Arithmetic Progression:**
 Sequence A206037, Sequence A206038, Sequence A206039, Sequence A206040,
 Sequence A206041, Sequence A206042, Sequence A206043, Sequence A206044,
 Sequence A206045, Sequence A227281, Sequence A227282, Sequence A227283,
 Sequence A227284, Sequence A227285 and Sequence A227286.
- **Integer Sequences for Primes in Geometric-Arithmetic Progression:**
 Sequence A209202, Sequence A209203, Sequence A209204, Sequence A209205,
 Sequence A209206, Sequence A209207, Sequence A209208, Sequence A209209,
 Sequence A209210 and Sequence A227280.

N. J. A. Sloane (*Editor*), *The On-Line Encyclopedia of Integer Sequences*,
 published electronically at: <http://oeis.org/> (2012).

Patents

1. Sameen Ahmed Khan,
Quadricmeter,
Official Journal of the Patent Office, Issue No. **43/2008**, Part-I, pp. 25296 (24 October 2008).
 Application No.: **2126/MUM/2008 A**, International Classification: **B69G1/36**,
 Controller General of Patents Designs and Trade Marks, Government of India.
http://ipindia.nic.in/ipr/patent/journal_archieve/journal_2008/patent_journal_2008.htm
http://ipindia.nic.in/ipr/patent/journal_archieve/journal_2008/pat_arch_102008/official
<http://www.patentoffice.nic.in/>, <http://www.ipindia.nic.in/>
(patent in process, http://SameenAhmedKhan.webs.com/quadricmeter.html).

Quadricmeter is the instrument devised to identify (distinguish) and measure the various parameters (axis, foci, latera recta, directrix, etc.,) completely characterizing the important class of surfaces known as the quadratic surfaces. Quadratic surfaces (also known as quadrics) include a wide range of commonly encountered surfaces including, cone, cylinder, ellipsoid, elliptic cone, elliptic cylinder, elliptic hyperboloid, elliptic paraboloid, hyperbolic cylinder, hyperbolic paraboloid, paraboloid, sphere, and spheroid. Quadricmeter is a generalized form of the conventional spherometer and the lesser known cylindrometer (also known as the Cylindro-Spherometer). With a conventional spherometer it was possible only to measure the radii of spherical surfaces. Cylindrometer can measure the radii of curvature of a cylindrical surface in addition to the spherical surface. In both the spherometer and the cylindrometer one assumes the surface to be either spherical or cylindrical respectively. In the case of the quadricmeter, there are no such assumptions.

2. Sameen Ahmed Khan,
Conicmeter.
(patent in process, http://SameenAhmedKhan.webs.com/conicmeter.html).