In Memoriam Leonid V. Keldysh

Leonid V. Keldysh—one of the most influential theoretical physicists of the 20th century—passed away in November 2016. L. V. Keldysh is best known for the diagrammatic formulation of real-time (nonequilibrium) Green functions theory and for the theory of strong field ionization of atoms. Both theories profoundly changed large areas of theoretical physics and stimulated important experiments. Both these discoveries emerged almost simultaneously—like Einstein, also L. V. Keldysh had his *annus mirabilis*—the year 1964. But the list of his theoretical developments is much broader and is briefly reviewed here.

**General information**

State: Accepted/In press
Organisations: Department of Physics, Center for Nanostructured Graphene, Christian-Albrechts-Universität zu Kiel, Russian Academy of Sciences, Lomonosov Moscow State University
Contributors: Bonitz, M., Jauho, A., Sadovskii, M., Tikhodeev, S.
Number of pages: 11
Publication date: 2019
Peer-reviewed: Unknown

**Publication information**

Journal: Physica Status Solidi (b)
Article number: 1800600
ISSN (Print): 0370-1972
Ratings:
- BFI (2019): BFI-level 1
- Web of Science (2019): Indexed yes
- BFI (2018): BFI-level 1
- Web of Science (2018): Indexed yes
- BFI (2017): BFI-level 1
- Scopus rating (2017): CiteScore 1.67 SJR 0.602 SNIP 0.786
- Web of Science (2017): Impact factor 1.729
- Web of Science (2017): Indexed yes
- BFI (2016): BFI-level 1
- Scopus rating (2016): CiteScore 1.53 SJR 0.96 SNIP 0.753
- Web of Science (2016): Impact factor 1.674
- BFI (2015): BFI-level 1
- Scopus rating (2015): CiteScore 1.43 SJR 0.665 SNIP 0.721
- Web of Science (2015): Impact factor 1.522
- BFI (2014): BFI-level 1
- Scopus rating (2014): CiteScore 1.53 SJR 0.805 SNIP 0.769
- Web of Science (2014): Impact factor 1.469
- BFI (2013): BFI-level 1
- Scopus rating (2013): CiteScore 1.53 SJR 0.831 SNIP 0.776
- Web of Science (2013): Impact factor 1.605
- ISI indexed (2013): ISI indexed yes
- Web of Science (2013): Indexed yes
- BFI (2012): BFI-level 1
- Scopus rating (2012): CiteScore 1.39 SJR 0.897 SNIP 0.719
- Web of Science (2012): Impact factor 1.489
- ISI indexed (2012): ISI indexed yes
- BFI (2011): BFI-level 1
- Scopus rating (2011): CiteScore 1.34 SJR 0.931 SNIP 0.723
- Web of Science (2011): Impact factor 1.316
- ISI indexed (2011): ISI indexed yes
- Web of Science (2011): Indexed yes
- BFI (2010): BFI-level 1
- Scopus rating (2010): SJR 0.87 SNIP 0.714
- Web of Science (2010): Impact factor 1.349