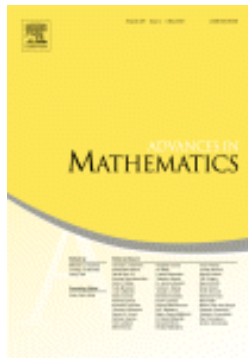# Top 25 Hottest Articles

Mathematics > Advances in Mathematics
July - September 2008

1. **Quaternionic analysis, representation theory and physics**
   Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1806-1877
   Frenkel, I.; Libine, M.

2. **A twist condition and periodic solutions of Hamiltonian systems**
   Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1895-1913
   Liu, Z.; Su, J.; Wang, Z.Q.
   Cited by Scopus (1)

3. **Computing invariants of algebraic groups in arbitrary characteristic**
   Advances in Mathematics, Volume 217, Issue 5, March 2008, Pages 2089-2129
   Derksen, H.; Kemper, G.
   Cited by Scopus (4)

4. **An Auslander-type result for Gorenstein-projective modules**
   Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 2043-2050
   Chen, X.W.
   Cited by Scopus (1)

5. **Hausdorff dimension of certain sets arising in continued fraction expansions**
   Advances in Mathematics, Volume 218, Issue 5, August 2008, Pages 1319-1339
   Wang, B.W.; Wu, J.
   Cited by Scopus (1)

6. **Partial Differential Equations in the 20th Century**
   Advances in Mathematics, Volume 135, Issue 1, April 1998, Pages 76-144
   Brezis, H.; Browder, F.
   Cited by Scopus (12)

7. **Well-posedness for the Navier-Stokes Equations**
   Advances in Mathematics, Volume 157, Issue 1, January 2001, Pages 22-35
   Koch, H.; Tataru, D.
   Cited by Scopus (65)

8. **Morse Theory for Cell Complexes**
   Advances in Mathematics, Volume 134, Issue 1, March 1998, Pages 90-145
   Forman, R.
   Cited by Scopus (95)

9. **Regularity of subelliptic Monge-Ampere equations**
   Advances in Mathematics, Volume 217, Issue 3, February 2008, Pages 967-1026
   Rios, C.; Sawyer, E.T.; Wheeden, R.L.

10. **Poisson statistics via the Chinese Remainder Theorem**
    Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 2013-2042
    Granville, A.; Kurlberg, P.
    Cited by Scopus (1)

11. **Homaloidal hypersurfaces and hypersurfaces with vanishing Hessian**
    Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1759-1805
    Ciliberto, C.; Russo, F.; Simis, A.

12. **Graph homology: Koszul and Verdier duality**
    Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1878-1894
    Lazarev, A.; Voronov, A.A.

13. **Laplaza sets, or how to select coherence diagrams for pseudo algebras**
    Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1705-1722
    Fiore, T.M.; Hu, P.; Kriz, I.

14. **Zeta Functions of Finite Graphs and Coverings**
    Advances in Mathematics, Volume 121, Issue 1, July 1996, Pages 124-165
    Stark, H.M.; Terras, A.A.
    Cited by Scopus (76)

15. **A minimum problem with free boundary in Orlicz spaces**
    Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1914-1971
    Martinez, S.; Wolanski, N.
    Cited by Scopus (3)

16. **Derived categories of quadric fibrations and intersections of quadrics**
    Advances in Mathematics, Volume 218, Issue 5, August 2008, Pages 1340-1369
    Kuznetsov, A.
    Cited by Scopus (1)

17. **Cauchy Singular Integrals and Rectifiability of Measures in the Plane**
    Advances in Mathematics, Volume 115, Issue 1, September 1995, Pages jan-34
    Mattila, P.

18. **Some explicit solutions of the additive Deligne-Simpson problem and their applications**
    Advances in Mathematics, Volume 178, Issue 2, September 2003, Pages 311-374
    Gleizer, O.
    Cited by Scopus (3)

19. **On a problem of H.P. Rosenthal concerning operators on C[0,1]**
    Advances in Mathematics, Volume 218, Issue 5, August 2008, Pages 1512-1525

Gasparis, I.

20. **Differential equations in vertex algebras and simple modules for the Lie algebra of vector fields on a torus**
Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 1972-2004
Billig, Y.; Molev, A.; Zhang, R.

21. **Equivariant cohomology distinguishes toric manifolds**
Advances in Mathematics, Volume 218, Issue 6, August 2008, Pages 2005-2012
Masuda, M.
Cited by Scopus (1)

22. **Kahler-Ricci solitons on toric manifolds with positive first Chern class**
Advances in Mathematics, Volume 188, Issue 1, October 2004, Pages 87-103
Wang, X.-J.; Zhu, X.
Cited by Scopus (20)

23. **Divergence points of self-similar measures and packing dimension**
Advances in Mathematics, Volume 214, Issue 1, September 2007, Pages 267-287
Baek, I.S.; Olsen, L.; Snigireva, N.
Cited by Scopus (4)

24. **Coherent sequences and threads**
Advances in Mathematics, Volume 216, Issue 1, December 2007, Pages 89-117
Schimmerling, E.
Cited by Scopus (1)

25. **Sharp two-weight inequalities for singular integrals, with applications to the Hilbert transform and the Sarason conjecture**
Advances in Mathematics, Volume 216, Issue 2, December 2007, Pages 647-676
Cruz-Uribe, D.; Martell, J.M.; Perez, C.
Cited by Scopus (1)