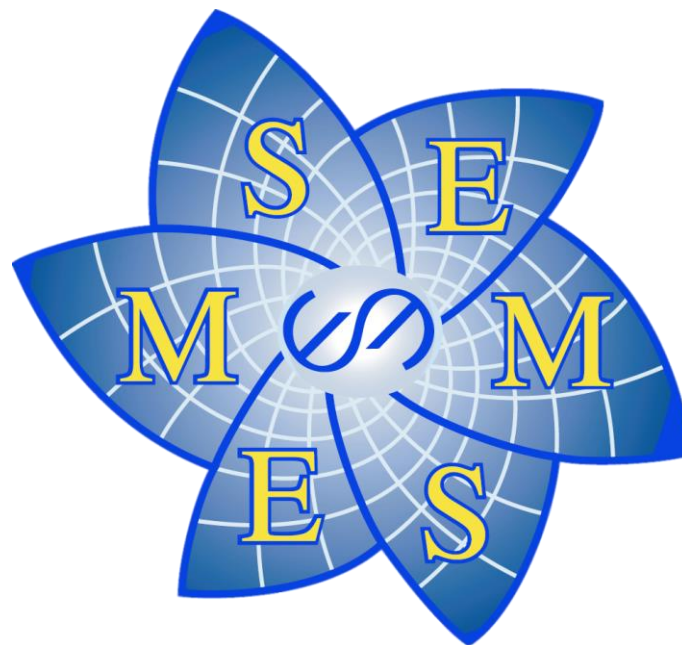




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3. Aghigh et al.: A study of irreducible polynomials over henselian valued fields via distinguished pairs (In: Valuation Theory in Interaction, Pub: 2014)
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7. Gorodetski, Hunt, Kaloshin: Newton interpolation polynomials, discretization method, and certain prevalent properties in dynamical systems (In: Proceedings of the International Congress of Mathematicians Madrid, August 22–30, 2006, Pub: 2007)
8. Haiman: Cherednik algebras, Macdonald polynomials and combinatorics (In: Proceedings of the International Congress of Mathematicians Madrid, August 22–30, 2006, Pub: 2007)
9. Mustață, Takagi, Watanabe: F-thresholds and Bernstein–Sato Polynomials (In: European Congress of Mathematics Stockholm, June 27 – July 2, 2004, Pub: 2005)
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Journal articles (112 found)

1. Leveson, Rutherford: Satellite ruling polynomials, DGA representations, and the colored HOMFLY-PT polynomial (QT 2020)
2. Reis: On the factorization of iterated polynomials (RMI online 2020-03-16)
3. Amini: The exchange graph and variations of the ratio of the two Symanzik polynomials (AIHPD 2019)
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- 1**: A red box highlights the 'Full-Text PDF (670 KB)' link in the top navigation bar, which is used for downloading the article.
- 2**: A larger red box highlights the article's title, volume information, authors, and abstract. This section includes:
 - Title: **QUANTUM TOPOLOGY**
 - Volume and Issue: **Volume 11, Issue 1, 2020, pp. 55–118**
 - DOI: **DOI: 10.4171/QT/133**
 - Published online: 2020-02-24
 - Title: **Satellite ruling polynomials, DGA representations, and the colored HOMFLY-PT polynomial**
 - Authors: **Caitlin Leverson^[1] and Dan Rutherford^[2]**
 - Affiliations: **(1) Georgia Institute of Technology, Atlanta, USA** and **(2) Ball State University, Muncie, USA**
 - Abstract: **We establish relationships between two classes of invariants of Legendrian knots in \mathbb{R}^3 : representation numbers of the Chekanov–Eliashberg DGA and satellite ruling polynomials. For positive permutation braids, $\beta \in J^1S^1$, we give a precise formula in terms of representation numbers for the m -graded ruling polynomial $R_{S(K,\beta)}^m(z)$ of the satellite of K with β specialized at $z = q^{1/2} - q^{-1/2}$ with q a prime power, and we use this formula to prove that arbitrary m -graded satellite ruling polynomials, $R_{S(K,L)}^m$, are determined by the Chekanov–Eliashberg DGA of K . Conversely, for $m \neq 1$, we introduce an n -colored m -graded ruling polynomial, $R_{n,K}^m(q)$, in strict analogy with the n -colored HOMFLY-PT polynomial, and show that the total n -dimensional m -graded representation number of K to \mathbb{R}_q^m , $\text{Rep}_m(K, \mathbb{R}_q^m)$, is exactly equal to $R_{n,K}^m(q)$. In the case of 2\ndash graded representations, we show that $R_{n,K}^2(q) = \text{Rep}_2(K, \mathbb{R}_q^m)$ arises as a specialization of the n -colored HOMFLY-PT polynomial.**
 - Keywords: **Legendrian knot, ruling polynomial, Chekanov–Eliashberg DGA, representation, colored HOMFLY-PT polynomials**
 - Footnote: **Leverson Caitlin, Rutherford Dan: Satellite ruling polynomials, DGA representations, and the colored HOMFLY-PT polynomial. *Quantum Topol.* 11 (2020), 55–118. doi: 10.4171/QT/133**

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