

After studying the asynchronous video materials for April 11 and April 13, answer the following questions. Submit your response via email by May 1.

1. Tumova's talk discusses the 'always', 'eventually', and 'next' temporal operators, just as we saw in the papers. But the notation used in the talk is different. What letter does Tumova use to denote 'always'? 'eventually'? 'next'?
2. Explain how, in Tumova's view, the use of formal methods in robotics changed between 2008 and 2013.
3. Explain how, in Tumova's view, the use of formal methods in robotics changed between 2013 and 2021.
4. What three challenges does Tumova's recent research address?
5. What does Tumova think about the future of the relationship between formal synthesis and learning?
6. What idea did LaValle have in the late 1990s that turned out to be a horribly bad idea?
7. What did LaValle feel guilty about after finishing his book?
8. What question is the example combinatorial filter from LaValle's talk designed to answer?
9. How was LaValle's earlier work on minimalism related to his work on consumer virtual reality products?
10. What aspect of life in academia does LaValle say he appreciates most?