

\_\_\_\_\_/ 10% Intro & Abstract/Executive Summary – introduces the topic, its relevance, and any foundational ideas; does it focus on trivial mathematical concepts or pertinent details?

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\_\_\_\_\_/ 20% Main Results – discusses pertinent theory and its development; is the theoretical work studied sufficiently challenging? does it go further than what would be covered in an undergraduate course? is the student demonstrating the ability to further mathematical understanding/to advance knowledge independently?

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\_\_\_\_\_/ 40% Main Results – discusses pertinent theory and its development; is it presented at a sufficient level of understanding by the student? are mathematical details handled well and clearly? are results interpreted in a way that everyone can understand?

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\_\_\_\_\_/ 10% Examples/Further Research – does it present examples or applications of the theory OR discuss the further research in the field and/or open questions in the field? did the student demonstrate the application of the theory to problems OR does the student know what research is based on his work and/or what research questions are still to be addressed in the field?

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\_\_\_\_\_/ 10% Conclusion – summarizes the work presented in the paper; can the student summarize the work presented and it's implications clearly in their own words?

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\_\_\_\_\_/ 10% Correct technical details (Latex, mathematical formatting and presentation, etc.)

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\_\_\_\_\_/ 0% Penalty: poor presentation, failure to follow directions, grammatical issues, extreme lack of clarity, etc.