



NSF GRFP RESULTS

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Rating Sheets

- **2009 Rating Sheet 1**
- [2009 Rating Sheet 2](#)
- [2009 Rating Sheet 3](#)

Overall Assessment of Intellectual Merit: Very Good

Explanation to the applicant:

The candidate has experience as a TA and RA at the university of Texas, Austin. He is presently mentoring 6 Maths students. He has presented his work at a conference for Natural Science Undergraduate Research. This was based on work that he had done on creating a 3D tool for sculpting that received an award. He is engaged with other researchers through seminar presentations. He also has some research experience in Maths focussed on intrinsically knotted graphs and has an appreciation of the value of adopting a cross disciplinary approach to research. his work proposes to produce moire effects for photo realistic effects. The candidate has reviewed the state of the art and identified the outstanding issues. He has clearly identified the contribution of what he is proposing to do and also described a plan for accomplishing his objective.

Overall Assessment of Broader Impacts: Very Good

Explanation to the applicant:

Challenges in visualization are numerous one of them being the ease with which end users can generate the models and also how realistic the end product is. The Candidate's work has the potential to result in addressing some of these issues. He has cited textile and buildings as disciplines that can benefit. If it works this approach can be extended to other disciplines. The candidate is presently engaged in the education of other students. He established a program for students to share knowledge about their work with their peers and other professors- raised the funding to do this and indicates that it was not a one-off event. He is also in the Turing Scholars program.