Instructor: Walter Bisch of

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CMPUT 411: Introduction to Computer Graphics Final Exam, December 13, 2000

Each question is worth 8 points. Note that although there is one question per page the answer may be considerably shorter.

1. What are hard shadows and describe an algorithm for generating them.



2. Discuss how to deal with transparency of materials.

3. What techniques are	avanable for improvi	ng me emeney	of ray tracing a	aigorithms?

4. Describe the idea of bump mapping of surfaces.



6. Describe additive and subtractive color mixing and their differences.

7. How is continuity between curve segments described and controlled.

8. Describe Bézier curves.

9. What are NURBS?

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11. What are regularized Boolean set operators used in solid modeling.

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13. Describe two different methods for clipping lines in 2D.

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