

**Basic and Intermediate**

**NX4**

**Modeling, Drafting and Assemblies**

**A Project Oriented Learning Manual**

**By**

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## **Dedication**

***We dedicate this book to our youngsters:  
The hopeful beneficiaries of all that we do.***

## **Acknowledgements**

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*Randall Diaz, Rick Jackson, Mark Kelley, Paul Rymarz, Don Schafer, Manny Carrasco, and Charlene Brum.*

***What readers have to say about our previous Unigraphics books:***

**Bryan McDonald, Product Design Manager at Apple Computers**

“Bottom line: this is an excellent book. If anyone wants to learn how to use Unigraphics quickly, efficiently and practically, this is the way to do it.”

**Fred Dyen, Director of St. Louis University’s Aviation Maintenance Institute (AMI)**

“Practical Unigraphics NX2 Modeling for Engineers was extremely effective and much better than [other] textbooks. I would highly recommend this book to other professors and students alike.”

**Dr. Pat Spicer, Professor at Western Illinois University**

“The UG NX2 textbook is well organized. Its tutorial style of learning is easy for students to utilize. The practice exercises are essential. From my experience in teaching students to use UG software, I have found that this is the best textbook currently on the market for teaching UG NX2.”

# Preface

Dear reader,

Thank you for purchasing our Unigraphics NX4 Basic and Intermediate book, the newly revised version of our previous book entitled Practical Unigraphics NX3 Modeling, Drafting and Assemblies. Design Visionaries is an engineering consulting firm that performs many design projects great and small, including industrial design, product design and engineering analysis. Our customers entrust us with the design of medical devices, aerospace components, heavy machinery, consumer products, etc. The methods outlined in this book go beyond an academic use of NX4. They are tricks of the trade that come from thousands of hours of actual use of the software to design some of the most difficult products in the world. In addition, Design Visionaries offers world class on-site training which enables us to develop and evolve our training material so that they provide the maximum benefit. Please enjoy this text, and we invite you to log on to our website – [www.designviz.com](http://www.designviz.com) where you can find additional free materials, other advanced materials, products, and goodies.

Thank you,

Stephen Samuel

Apr 6, 2006

# Table of Contents

<b>1. An Overview of NX4 .....</b>	<b>1</b>
1.1 THE PHILOSOPHY OF THIS BOOK.....	1
1.2 BASIC CONCEPTS OF NX4.....	1
1.3 A BASIC MODELING PROCEDURE .....	5
<b>2. The NX4 Interface .....</b>	<b>7</b>
2.1 INTRODUCTION .....	7
2.2 USING THE THREE-BUTTON MOUSE FUNCTIONALITY.....	7
2.3 THE NX4 GRAPHICS WINDOW.....	9
2.4 SELECTING GEOMETRY.....	13
2.5 THE WCS .....	15
2.6 FILE MANAGEMENT.....	18
<b>3. Fundamental Curves .....</b>	<b>21</b>
3.1 INTRODUCTION .....	21
3.2 BASIC CURVES.....	23
3.3 BASIC CURVES WITH GEOMETRIC RELATIONS TO OTHER CURVES .....	26
3.4 BASIC CURVES WITH SPECIFIC DIMENSIONS .....	29
3.5 BASIC CURVE TRIM OPERATIONS .....	31
3.6 ASSOCIATIVE LINES AND ARCS.....	35
3.7 HELIX .....	39
3.8 TEXT CURVES .....	41
3.9 SELF-TEST .....	45
3.10 TEST ANSWERS.....	46
<b>4. Editing Entities .....</b>	<b>47</b>
4.1 INTRODUCTION .....	47
4.2 DELETING ENTITIES .....	47
4.3 BLANKING ENTITIES .....	49
4.4 CHANGING AN ENTITY'S APPEARANCE.....	51
4.5 SELF-TEST .....	55
4.6 TEST ANSWERS.....	56

<b>5. Sketches.....</b>	<b>57</b>
5.1 INTRODUCTION .....	57
5.2 CREATING A SKETCH .....	59
5.3 DEFINING GEOMETRIC CONSTRAINTS.....	70
5.4 MIRROR SKETCH OPERATION .....	80
5.5 SELF-TEST .....	83
5.6 TEST ANSWERS.....	84
<b>6. Design Features.....</b>	<b>85</b>
6.1 INTRODUCTION .....	85
6.2 EXTRUDED FEATURES.....	87
6.3 REVOLVED FEATURES.....	94
6.4 PRIMITIVE FEATURES.....	97
6.5 PRACTICE: THE POOL RACK.....	101
6.6 ADVANCED DESIGN FEATURES.....	103
6.7 PRACTICE: THE HINGE .....	114
6.8 SELF-TEST .....	117
6.9 TEST ANSWERS.....	118
<b>7. Detail Features.....</b>	<b>119</b>
7.1 INTRODUCTION .....	119
7.2 EDGE AND FACE BLEND FEATURES.....	120
7.3 DRAFT.....	130
7.4 CHAMFER FEATURES .....	136
7.5 BRIDGE SURFACES .....	140
7.6 PRACTICE: THE POOL RACK, PART 2 .....	143
7.7 SELF-TEST .....	145
7.8 TEST ANSWERS.....	146
<b>8. Other Basic Techniques.....</b>	<b>147</b>
8.1 INTRODUCTION .....	147
8.2 SKETCHING ON A SOLID FACE.....	147
8.3 POSITIONING DIMENSIONS .....	150
8.4 SHELL FEATURES.....	153
8.5 INSTANCE FEATURES .....	155
8.6 OFFSET FACE FEATURES.....	166
8.7 THE TRIM BODY FEATURE AND THE SPLIT OPERATION .....	168
8.8 THICKEN SHEET .....	172
8.9 TUBE FEATURES .....	174
8.10 SHEET METAL FLANGE .....	176
8.11 EXTRACT .....	179

8.12 PRACTICE: ATTACHMENT ARM.....	182
8.13 PRACTICE: THE CLIP.....	184
8.14 SELF-TEST.....	187
8.15 TEST ANSWERS.....	188

**9. Intermediate Curves..... 189**

9.1 INTRODUCTION.....	189
9.2 SPLINE CURVES.....	189
9.3 OFFSET CURVES.....	192
9.4 BRIDGE CURVES.....	194
9.5 JOIN CURVES.....	197
9.6 PROJECT CURVES.....	201
9.7 PRACTICE: CREATING CURVE GEOMETRY.....	205
9.8 SELF-TEST.....	207
9.9 TEST ANSWERS.....	208

**10. Combine Bodies..... 209**

10.1 INTRODUCTION.....	209
10.2 UNITE AND SUBTRACT.....	211
10.3 INTERSECTION.....	215
10.4 SEW OPERATION.....	219
10.5 PRACTICE: THE STEPPED PLUG.....	223
10.6 SELF-TEST.....	225
10.7 TEST ANSWERS.....	226

**11. Expressions..... 227**

11.1 INTRODUCTION.....	227
11.2 PRE-DETERMINED EXPRESSIONS.....	229
11.3 CREATING EXPRESSIONS DURING MODELING.....	234
11.4 RENAMING EXISTING VARIABLES.....	240
11.5 PRACTICE: THE DOOR LATCH.....	243
11.6 SELF-TEST.....	245
11.7 TEST ANSWERS.....	246

**12. Reference Entities..... 247**

12.1 INTRODUCTION.....	247
12.2 DATUM PLANE.....	249
12.3 DATUM AXIS FEATURES.....	256
12.4 SELF-TEST.....	257
12.5 TEST ANSWERS.....	258

<b>13. Edit Feature Operations .....</b>	<b>259</b>
13.1 INTRODUCTION .....	259
13.2 THE PART NAVIGATOR .....	259
13.3 EDITING FEATURE PARAMETERS .....	264
13.4 DELETING, SUPPRESSING, AND REORDERING FEATURES.....	267
13.5 SELF-TEST .....	271
13.6 TEST ANSWERS.....	272
<b>14. Layers .....</b>	<b>273</b>
14.1 INTRODUCTION TO NX4 LAYERS .....	273
14.2 USING LAYERS.....	273
14.3 COPY TO LAYER.....	277
14.4 SELF-TEST .....	279
14.5 TEST ANSWERS.....	280
<b>15. Direct Modeling .....</b>	<b>281</b>
15.1 INTRODUCTION .....	281
15.2 CONSTRAIN FACE.....	281
15.3 RESIZE FACE.....	284
15.4 OFFSET REGION .....	285
15.5 REPLACE FACE.....	286
15.6 MOVE REGION .....	287
15.7 PATTERN FACE .....	289
15.8 SELF-TEST .....	291
15.9 TEST ANSWERS.....	292
<b>16. Surface Features.....</b>	<b>293</b>
16.1 INTRODUCTION .....	293
16.2 SURFACE FEATURE – BOUNDED PLANE .....	295
16.3 SURFACE FEATURE - THROUGH CURVES.....	298
16.4 SWEEP ALONG GUIDE.....	301
16.5 SWEEPED SURFACE FEATURES .....	304
16.6 THROUGH CURVE MESH .....	307
16.7 SELF-TEST .....	313
16.8 TEST ANSWERS.....	314
<b>17. Basic Assemblies .....</b>	<b>315</b>
17.1 INTRODUCTION .....	315

17.2 BOTTOM-UP ASSEMBLY DESIGN .....	315
17.3 TOP-DOWN ASSEMBLY DESIGN .....	327
17.4 THE ASSEMBLY NAVIGATOR .....	331
17.5 ADDING AND EDITING ASSEMBLY MATING CONDITIONS .....	333
17.6 MODIFYING ASSEMBLY COMPONENTS.....	339
17.7 EXPLODED VIEWS IN AN ASSEMBLY .....	346
17.8 SELF-TEST .....	351
17.9 TEST ANSWERS.....	352

**18. Basic Drafting..... 353**

18.1 INTRODUCTION .....	353
18.2 CREATING DRAWINGS.....	353
18.3 CREATING DRAWING BORDERS .....	357
18.4 ADDING BASIC DRAWING VIEWS.....	363
18.5 EDITING DRAWINGS AND VIEWS.....	369
18.6 ADVANCED DRAWING VIEWS .....	374
18.7 CREATING DIMENSIONS .....	383
18.8 CREATING AND EDITING NOTES.....	394
18.9 DRAWING SYMBOLS .....	399
18.10 SELF-TEST .....	407
18.11 TEST ANSWERS.....	408

**19. Master Modeling..... 409**

19.1 INTRODUCTION .....	409
19.2 CREATING A NON-MASTER FILE.....	410
19.3 SELF-TEST .....	419
19.4 TEST ANSWERS.....	420

**20. How to Make NX4 Run Great!..... 421**

20.1 INTRODUCTION .....	421
20.2 CUSTOMIZED KEYBOARD SHORTCUTS .....	421
20.3 FULL MENUS .....	422
20.4 SAVE LAYOUT .....	423
20.5 SELECTION DELAY.....	425
20.6 SMOOTH VIEW CHANGE .....	427
20.7 SHADED FACE EDGES .....	428
20.8 ASSIGNING FEATURE NAMES IN A PART .....	429
20.9 USING GRID .....	430
20.10 INTRODUCTION TO CUSTOMER DEFAULTS .....	431

**21. Practice Projects ..... 433**

21.1 INTRODUCTION .....	433
21.2 FREE FORM SOLID USING SWEPT .....	434
21.3 THE PRODUCT HOUSING .....	438
21.4 ADVANCED FACE BLEND FEATURES.....	444
21.5 FACE BLENDING - TANGENCY CONTROLLED .....	449
21.6 A BRIDGE SURFACE USING THE WAVE GEOMETRY LINKER.....	451
21.7 APPLYING SHRINKAGE WITH NON-UNIFORM SCALE.....	456
21.8 COIL SPRINGS .....	458
21.9 NX4 FINAL PROJECT.....	464

**22. Goodies..... 473**

22.1 INTRODUCTION .....	473
22.2 CREATIVE 3D MODELS .....	473
22.3 THE CAD CROSS-REFERENCE TOOL FOR PRO/E AND SOLIDWORKS USERS .....	476
22.4 DPET (DESIGN PROJECT ESTIMATION TOOL).....	477

**Glossary..... 479**

**Index..... 491**