Contents

Preface —— V

Acknowledgments —— VII

About the book —— XIII

About the authors —— XV

List of figures —— XVII

List of tables —— XIX

Chapter 1
Metal cutting processes —— 1
Learning problem 1 —— 1
Learning solution 1 —— 1
Learning problem 2 —— 2
Learning solution 2 —— 3
Learning problem 3 —— 3
Learning solution 3 —— 4
Learning problem 4 —— 5
Learning solution 4 —— 5
Learning problem 5 —— 6
Learning solution 5 —— 6
Learning problem 6 —— 7
Learning solution 6 —— 8
Learning problem 7 —— 9
Learning solution 7 —— 9
Learning problem 8 —— 10
Learning solution 8 —— 10
Learning problem 9 —— 11
Learning solution 9 —— 11
Learning problem 10 —— 12
Learning solution 10 —— 13
Learning problem 11 —— 14
Learning solution 11 —— 14
Learning problem 12 —— 16
Learning solution 12 —— 16
Learning problem 13 —— 17
Learning solution 13 —— 17

Bibliografische Informationen
http://d-nb.info/1201894751

digitalisiert durch DEUTSCHE NATIONAL BIBLIOTHEK

Learning problem 14 — 18
Learning solution 14 — 19
Learning problem 15 — 20
Learning solution 15 — 20
Learning problem 16 — 21
Learning solution 16 — 21
Learning problem 17 — 22
Learning solution 17 — 23
Learning problem 18 — 24
Learning solution 18 — 24
Learning problem 19 — 26
Learning solution 19 — 26
Learning problem 20 — 27
Learning solution 20 — 27

Chapter 2
Metal cutting analysis — 29
Learning problem 21 — 29
Learning solution 21 — 29
Learning problem 22 — 30
Learning solution 22 — 30
Learning problem 23 — 32
Learning solution 23 — 32
Learning problem 24 — 33
Learning solution 24 — 33
Learning problem 25 — 35
Learning solution 25 — 35
Learning problem 26 — 36
Learning solution 26 — 36
Learning problem 27 — 37
Learning solution 27 — 37
Learning problem 28 — 38
Learning solution 28 — 39
Learning problem 29 — 40
Learning solution 29 — 40
Learning problem 30 — 42
Learning solution 30 — 42
Learning problem 31 — 43
Learning solution 31 — 43
Learning problem 32 — 44
Learning solution 32 — 45
Learning problem 33 — 46

Learning solution 33 — 46
Learning problem 34 — 47
Learning solution 34 — 47
Learning problem 35 — 48
Learning solution 35 — 49
Learning problem 36 — 50
Learning solution 36 — 50
Learning problem 37 — 51
Learning solution 37 — 51
Learning problem 38 — 52
Learning solution 38 — 53
Learning problem 39 — 54
Learning solution 39 — 54
Learning problem 40 — 55
Learning solution 40 — 55

Chapter 3
Metal cutting optimization — 57
Learning problem 41 — 57
Learning solution 41 — 57
Learning problem 42 — 58
Learning solution 42 — 58
Learning problem 43 — 59
Learning solution 43 — 60
Learning problem 44 — 60
Learning solution 44 — 61
Learning problem 45 — 62
Learning solution 45 — 62
Learning problem 46 — 63
Learning solution 46 — 63
Learning problem 47 — 64
Learning solution 47 — 65
Learning problem 48 — 66
Learning solution 48 — 66
Learning problem 49 — 67
Learning solution 49 — 67
Learning problem 50 — 68
Learning solution 50 — 68

Chapter 4
Metal cutting performance responses — 71
Learning problem 51 — 71
Learning solution 51 — 71
Learning problem 52 — 72
Learning solution 52 — 72
Learning problem 53 — 73
Learning solution 53 — 74
Learning problem 54 — 74
Learning solution 54 — 75
Learning problem 55 — 76
Learning solution 55 — 76
Learning problem 56 — 77
Learning solution 56 — 77
Learning problem 57 — 78
Learning solution 57 — 79
Learning problem 58 — 80
Learning solution 58 — 80
Learning problem 59 — 81
Learning solution 59 — 82
Learning problem 60 — 82
Learning solution 60 — 83
Learning problem 61 — 84
Learning solution 61 — 84
Learning problem 62 — 85
Learning solution 62 — 85

References — 87

Index — 93