

[illegible]

1994-1995		1995-1996		1996-1997	
1994-1995	1995-1996	1995-1996	1996-1997	1996-1997	1997-1998
1. <i>Chlorophyll a</i> (mg/L)	1.2	1.5	1.8	2.1	2.4
2. <i>Chlorophyll b</i> (mg/L)	0.8	1.0	1.2	1.4	1.6
3. <i>Chlorophyll c</i> (mg/L)	0.5	0.6	0.7	0.8	0.9
4. <i>Chlorophyll d</i> (mg/L)	0.3	0.4	0.5	0.6	0.7
5. <i>Chlorophyll e</i> (mg/L)	0.2	0.3	0.4	0.5	0.6
6. <i>Chlorophyll f</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
7. <i>Chlorophyll g</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
8. <i>Chlorophyll h</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
9. <i>Chlorophyll i</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
10. <i>Chlorophyll j</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
11. <i>Chlorophyll k</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
12. <i>Chlorophyll l</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
13. <i>Chlorophyll m</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
14. <i>Chlorophyll n</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
15. <i>Chlorophyll o</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
16. <i>Chlorophyll p</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
17. <i>Chlorophyll q</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
18. <i>Chlorophyll r</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
19. <i>Chlorophyll s</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
20. <i>Chlorophyll t</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
21. <i>Chlorophyll u</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
22. <i>Chlorophyll v</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
23. <i>Chlorophyll w</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
24. <i>Chlorophyll x</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
25. <i>Chlorophyll y</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
26. <i>Chlorophyll z</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
27. <i>Chlorophyll aa</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
28. <i>Chlorophyll ab</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
29. <i>Chlorophyll ac</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
30. <i>Chlorophyll ad</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
31. <i>Chlorophyll ae</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
32. <i>Chlorophyll af</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
33. <i>Chlorophyll ag</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
34. <i>Chlorophyll ah</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
35. <i>Chlorophyll ai</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
36. <i>Chlorophyll aj</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
37. <i>Chlorophyll ak</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
38. <i>Chlorophyll al</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
39. <i>Chlorophyll am</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
40. <i>Chlorophyll an</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
41. <i>Chlorophyll ao</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
42. <i>Chlorophyll ap</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
43. <i>Chlorophyll aq</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
44. <i>Chlorophyll ar</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
45. <i>Chlorophyll as</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
46. <i>Chlorophyll at</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
47. <i>Chlorophyll au</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
48. <i>Chlorophyll av</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
49. <i>Chlorophyll aw</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
50. <i>Chlorophyll ax</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
51. <i>Chlorophyll ay</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
52. <i>Chlorophyll az</i> (mg/L)	0.1	0.2	0.3	0.4	0.5
53. <i>Chlorophyll ba</i> (mg/L)	0.				

Category	Number of cases	Percentage
1. <i>Staphylococcus aureus</i> (S. aureus)	12	100%
2. <i>Staphylococcus epidermidis</i> (S. epidermidis)	10	83.3%
3. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	8	66.7%
4. <i>Staphylococcus sciuri</i> (S. sciuri)	6	50%
5. <i>Staphylococcus carnosus</i> (S. carnosus)	4	33.3%
6. <i>Staphylococcus pasteuri</i> (S. pasteuri)	2	16.7%
7. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
8. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
9. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
10. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
11. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
12. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
13. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
14. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
15. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
16. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
17. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
18. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
19. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
20. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
21. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
22. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
23. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
24. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
25. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
26. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
27. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
28. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
29. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
30. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
31. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
32. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
33. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
34. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
35. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
36. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
37. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
38. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
39. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
40. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
41. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
42. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
43. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
44. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
45. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
46. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
47. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
48. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
49. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
50. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
51. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
52. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
53. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
54. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
55. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
56. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
57. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
58. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
59. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
60. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
61. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
62. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
63. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
64. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
65. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
66. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
67. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
68. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
69. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
70. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
71. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
72. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8.3%
73. <i>Staphylococcus saprophyticus</i> (S. saprophyticus)	1	8.3%
74. <i>Staphylococcus sciuri</i> (S. sciuri)	1	8.3%
75. <i>Staphylococcus carnosus</i> (S. carnosus)	1	8.3%
76. <i>Staphylococcus pasteuri</i> (S. pasteuri)	1	8.3%
77. <i>Staphylococcus hyicus</i> (S. hyicus)	1	8.3%
78. <i>Staphylococcus aureus</i> (S. aureus)	1	8.3%
79. <i>Staphylococcus epidermidis</i> (S. epidermidis)	1	8

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Source of variation	df	SS	MS	F	P
Between groups	4	13.92	3.48	1.00	0.44
Within groups	16	11.92	0.74		
Total	20	25.84			
Error	16	11.92	0.74		
Corrected total	20	25.84			
Adjusted R-squared				0.20	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	
Adjusted MS				0.87	
Adjusted F				1.00	0.44
Adjusted P				0.44	
Adjusted t				1.00	0.44
Adjusted d.f.				16	
Adjusted SS				13.92	

	1990-1991	1991-1992
1. <i>Staphylococcus aureus</i>	100	100
2. <i>Staphylococcus epidermidis</i>	100	100
3. <i>Staphylococcus saprophyticus</i>	100	100
4. <i>Staphylococcus sciuri</i>	100	100
5. <i>Staphylococcus carnosus</i>	100	100
6. <i>Staphylococcus hyacinthi</i>	100	100
7. <i>Staphylococcus epidermidis</i>	100	100
8. <i>Staphylococcus aureus</i>	100	100
9. <i>Staphylococcus saprophyticus</i>	100	100
10. <i>Staphylococcus sciuri</i>	100	100
11. <i>Staphylococcus carnosus</i>	100	100
12. <i>Staphylococcus hyacinthi</i>	100	100
13. <i>Staphylococcus epidermidis</i>	100	100
14. <i>Staphylococcus aureus</i>	100	100
15. <i>Staphylococcus saprophyticus</i>	100	100
16. <i>Staphylococcus sciuri</i>	100	100
17. <i>Staphylococcus carnosus</i>	100	100
18. <i>Staphylococcus hyacinthi</i>	100	100
19. <i>Staphylococcus epidermidis</i>	100	100
20. <i>Staphylococcus aureus</i>	100	100
21. <i>Staphylococcus saprophyticus</i>	100	100
22. <i>Staphylococcus sciuri</i>	100	100
23. <i>Staphylococcus carnosus</i>	100	100
24. <i>Staphylococcus hyacinthi</i>	100	100
25. <i>Staphylococcus epidermidis</i>	100	100
26. <i>Staphylococcus aureus</i>	100	100
27. <i>Staphylococcus saprophyticus</i>	100	100
28. <i>Staphylococcus sciuri</i>	100	100
29. <i>Staphylococcus carnosus</i>	100	100
30. <i>Staphylococcus hyacinthi</i>	100	100
31. <i>Staphylococcus epidermidis</i>	100	100
32. <i>Staphylococcus aureus</i>	100	100
33. <i>Staphylococcus saprophyticus</i>	100	100
34. <i>Staphylococcus sciuri</i>	100	100
35. <i>Staphylococcus carnosus</i>	100	100
36. <i>Staphylococcus hyacinthi</i>	100	100
37. <i>Staphylococcus epidermidis</i>	100	100
38. <i>Staphylococcus aureus</i>	100	100
39. <i>Staphylococcus saprophyticus</i>	100	100
40. <i>Staphylococcus sciuri</i>	100	100
41. <i>Staphylococcus carnosus</i>	100	100
42. <i>Staphylococcus hyacinthi</i>	100	100
43. <i>Staphylococcus epidermidis</i>	100	100
44. <i>Staphylococcus aureus</i>	100	100
45. <i>Staphylococcus saprophyticus</i>	100	100
46. <i>Staphylococcus sciuri</i>	100	100
47. <i>Staphylococcus carnosus</i>	100	100
48. <i>Staphylococcus hyacinthi</i>	100	100
49. <i>Staphylococcus epidermidis</i>	100	100
50. <i>Staphylococcus aureus</i>	100	100
51. <i>Staphylococcus saprophyticus</i>	100	100
52. <i>Staphylococcus sciuri</i>	100	100
53. <i>Staphylococcus carnosus</i>	100	100
54. <i>Staphylococcus hyacinthi</i>	100	100
55. <i>Staphylococcus epidermidis</i>	100	100
56. <i>Staphylococcus aureus</i>	100	100
57. <i>Staphylococcus saprophyticus</i>	100	100
58. <i>Staphylococcus sciuri</i>	100	100
59. <i>Staphylococcus carnosus</i>	100	100
60. <i>Staphylococcus hyacinthi</i>	100	100
61. <i>Staphylococcus epidermidis</i>	100	100
62. <i>Staphylococcus aureus</i>	100	100
63. <i>Staphylococcus saprophyticus</i>	100	100
64. <i>Staphylococcus sciuri</i>	100	100
65. <i>Staphylococcus carnosus</i>	100	100
66. <i>Staphylococcus hyacinthi</i>	100	100
67. <i>Staphylococcus epidermidis</i>	100	100
68. <i>Staphylococcus aureus</i>	100	100
69. <i>Staphylococcus saprophyticus</i>	100	100
70. <i>Staphylococcus sciuri</i>	100	100
71. <i>Staphylococcus carnosus</i>	100	100
72. <i>Staphylococcus hyacinthi</i>	100	100
73. <i>Staphylococcus epidermidis</i>	100	100
74. <i>Staphylococcus aureus</i>	100	100
75. <i>Staphylococcus saprophyticus</i>	100	100
76. <i>Staphylococcus sciuri</i>	100	100
77. <i>Staphylococcus carnosus</i>	100	100
78. <i>Staphylococcus hyacinthi</i>	100	100
79. <i>Staphylococcus epidermidis</i>	100	100
80. <i>Staphylococcus aureus</i>	100	100
81. <i>Staphylococcus saprophyticus</i>	100	100
82. <i>Staphylococcus sciuri</i>	100	100
83. <i>Staphylococcus carnosus</i>	100	100
84. <i>Staphylococcus hyacinthi</i>	100	100
85. <i>Staphylococcus epidermidis</i>	100	100
86. <i>Staphylococcus aureus</i>	100	100
87. <i>Staphylococcus saprophyticus</i>	100	100
88. <i>Staphylococcus sciuri</i>	100	100
89. <i>Staphylococcus carnosus</i>	100	100
90. <i>Staphylococcus hyacinthi</i>	100	100
91. <i>Staphylococcus epidermidis</i>	100	100
92. <i>Staphylococcus aureus</i>	100	100
93. <i>Staphylococcus saprophyticus</i>	100	100
94. <i>Staphylococcus sciuri</i>	100	100

Name		Grade	Score
1	John A. Smith	10	85
2	James E. Jones	10	78
3	Robert L. Brown	10	92
4	William H. White	10	88
5	Charles F. Green	10	75
6	Thomas M. Black	10	82
7	Richard D. Gray	10	79
8	Joseph P. King	10	86
9	Benjamin S. Lee	10	81
10	Samuel R. Hall	10	77
11	George W. Young	10	83
12	Edward T. Hill	10	76
13	Franklin J. Adams	10	84
14	Albert G. Baker	10	79
15	Harold K. Nelson	10	87
16	Clarence L. Scott	10	78
17	Walter B. Phillips	10	82
18	Philip M. Turner	10	75
19	Donald E. Wright	10	89
20	Norman F. Green	10	80
21	Timothy J. White	10	77
22	Paul R. Brown	10	85
23	Christopher S. Black	10	79
24	Matthew D. Gray	10	83
25	Anthony P. King	10	76
26	David L. Lee	10	81
27	John H. Hall	10	78
28	Robert E. Young	10	84
29	William T. Hill	10	77
30	George K. Adams	10	82
31	Edward B. Baker	10	79
32	Franklin J. Nelson	10	86
33	Albert G. Scott	10	78
34	Harold K. Phillips	10	83
35	Clarence L. Turner	10	75
36	Walter B. Wright	10	89
37	Philip M. Green	10	80
38	Donald E. White	10	77
39	Norman F. Brown	10	85
40	Timothy J. Black	10	79
41	Paul R. Gray	10	83
42	Christopher S. King	10	76
43	Matthew D. Lee	10	81
44	Anthony P. Hall	10	78
45	David L. Young	10	84
46	John H. Hill	10	77
47	Robert E. Adams	10	82
48	William T. Baker	10	79
49	George K. Nelson	10	86
50	Edward B. Scott	10	78
51	Franklin J. Phillips	10	83
52	Albert G. Turner	10	75
53	Harold K. Wright	10	89
54	Clarence L. Green	10	80
55	Walter B. White	10	77
56	Philip M. Brown	10	85
57	Donald E. Black	10	79
58	Norman F. Gray	10	83
59	Timothy J. King	10	76
60	Paul R. Lee	10	81
61	Christopher S. Hall	10	78
62	Matthew D. Young	10	84
63	Anthony P. Hill	10	77
64	David L. Adams	10	82
65	John H. Baker	10	79
66	Robert E. Nelson	10	86
67	William T. Scott	10	78
68	George K. Phillips	10	83
69	Edward B. Turner	10	75
70	Franklin J. Wright	10	89
71	Albert G. Green	10	80
72	Harold K. White	10	77
73	Clarence L. Brown	10	85
74	Walter B. Black	10	79
75	Philip M. Gray	10	83
76	Donald E. King	10	76
77	Norman F. Lee	10	81
78	Timothy J. Hall	10	78
79	Paul R. Young	10	84
80	Christopher S. Hill	10	77
81	Matthew D. Adams	10	82
82	Anthony P. Baker	10	79
83	David L. Nelson	10	86
84	John H. Scott	10	78
85	Robert E. Phillips	10	83
86	William T. Turner	10	75
87	George K. Wright	10	89
88	Edward B. Green	10	80
89	Franklin J. White	10	77
90	Albert G. Brown	10	85
91	Harold K. Black	10	79
92	Clarence L. Gray	10	83
93	Walter B. King	10	76
94	Philip M. Lee	10	81
95	Donald E. Hall	10	78
96	Norman F. Young	10	84
97	Timothy J. Hill	10	77
98	Paul R. Adams	10	82
99			

[illegible]

1. Definition

Geometrische Optik ist die Lehre von der Ausbreitung von Lichtstrahlen in einem Medium, das sich als optisch homogen darstellt. Sie ist eine Näherungstheorie der Lichtausbreitung, die in der Wellenoptik begründet ist.

2. Definition

Ein Lichtstrahl ist eine Linie, die die Ausbreitungsrichtung des Lichts in einem Medium darstellt. Er ist eine Kurve, die die Bahn eines Lichtteilchens beschreibt.

3. Definition

Ein optisches Medium ist ein Material, durch das Licht sich ausbreiten kann. Es ist durch seinen Brechungsindex n charakterisiert, der das Verhältnis von Lichtgeschwindigkeit im Vakuum zu der im Medium darstellt.

4. Definition

Ein optisches System ist ein System von optischen Elementen, die Lichtstrahlen beeinflussen. Beispiele sind Linsen, Spiegel, Prismen, Gitter usw.

5. Definition

Ein optisches Element ist ein Bauelement, das die Ausbreitung von Lichtstrahlen beeinflusst. Es kann ein Linsenelement, ein Spiegelelement, ein Prismaelement usw. sein.

6. Definition

Ein optisches Gitter ist ein periodisches Struktur, das Lichtstrahlen in bestimmte Richtungen lenkt. Es besteht aus einer Reihe von parallelen, gleichmäßig verteilten Spalten oder Linien.

7. Definition

Ein optisches Filter ist ein Element, das Lichtstrahlen in bestimmten Wellenlängenbereichen durchlässt oder blockiert. Es kann ein Farbfilter, ein Polarisationsfilter usw. sein.

8. Definition

Ein optisches System ist ein System von optischen Elementen, die Lichtstrahlen beeinflussen. Es kann ein Linsensystem, ein Spiegelsystem, ein Gittersystem usw. sein.

9. Definition

Ein optisches System ist ein System von optischen Elementen, die Lichtstrahlen beeinflussen. Es kann ein Linsensystem, ein Spiegelsystem, ein Gittersystem usw. sein.

10. Definition

Ein optisches System ist ein System von optischen Elementen, die Lichtstrahlen beeinflussen. Es kann ein Linsensystem, ein Spiegelsystem, ein Gittersystem usw. sein.

[illegible]

- 2) **Pharmazie** (Pharmazie ist die Lehre von der Herstellung, Prüfung, Abgabe und Anwendung von Arzneimitteln)
- 3) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 4) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 5) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 6) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 7) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 8) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 9) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)
- 10) **Pharmazeutische Industrie** (Pharmazeutische Industrie ist die Herstellung von Arzneimitteln)

[illegible][illegible]

3.1.1. What is the difference between the three

The three types of demand are: a) individual demand which is the demand of a single consumer; b) market demand which is the demand of all consumers in a market; c) firm demand which is the demand of a single firm.

3.1.2. What is the difference between the three types of demand?

a) Individual demand is the demand of a single consumer. It is represented by a downward-sloping demand curve. b) Market demand is the demand of all consumers in a market. It is represented by a downward-sloping demand curve. c) Firm demand is the demand of a single firm. It is represented by a downward-sloping demand curve.

3.1.3. What is the difference between the three types of demand?

a) Individual demand is the demand of a single consumer. It is represented by a downward-sloping demand curve. b) Market demand is the demand of all consumers in a market. It is represented by a downward-sloping demand curve. c) Firm demand is the demand of a single firm. It is represented by a downward-sloping demand curve.

3.1.4. What is the difference between the three types of demand?

a) Individual demand is the demand of a single consumer. It is represented by a downward-sloping demand curve. b) Market demand is the demand of all consumers in a market. It is represented by a downward-sloping demand curve. c) Firm demand is the demand of a single firm. It is represented by a downward-sloping demand curve.

3.1.5. What is the difference between the three types of demand?

a) Individual demand is the demand of a single consumer. It is represented by a downward-sloping demand curve. b) Market demand is the demand of all consumers in a market. It is represented by a downward-sloping demand curve. c) Firm demand is the demand of a single firm. It is represented by a downward-sloping demand curve.

[illegible][illegible]

UNIT 1: THE LATEST TECHNOLOGICAL ADVANCEMENTS

1. **Introduction:** The rapid pace of technological innovation has transformed the way we live, work, and communicate. This unit explores the latest advancements in various fields, including artificial intelligence, space exploration, and renewable energy.

2. **Artificial Intelligence (AI):** AI has revolutionized industries ranging from healthcare to manufacturing. Recent breakthroughs in deep learning and natural language processing have led to the development of more sophisticated AI systems. Key areas of focus include:

- Machine Learning Algorithms
- Robotics and Automation
- Ethical Implications of AI

3. **Space Exploration:** The quest for knowledge and the expansion of human presence in space continues. Recent missions to Mars and the development of reusable rockets have opened new frontiers. Key areas of focus include:

- Mars Exploration and Colonization
- Reusable Rockets and Space Travel
- International Space Station (ISS) Research

4. **Renewable Energy:** As the world seeks sustainable solutions to energy challenges, renewable energy sources are gaining prominence. Key areas of focus include:

- Solar Power and Photovoltaics
- Wind Energy and Turbines
- Hydroelectric and Geothermal Power

5. **Conclusion:** The future is bright with these technological advancements. Continued research and innovation will lead to even greater discoveries and improvements in our lives.

1. The first of these is the fact that the majority of the population of the United States is of European descent. This is a result of the fact that the majority of the population of the United States is of European descent. This is a result of the fact that the majority of the population of the United States is of European descent.

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1. 1978年12月26日，在毛泽东逝世一周年之际，邓小平在中央工作会议上，第一次提出“解放思想，实事求是，团结一致向前看”的方针。

2. 1979年1月1日，邓小平在《告台湾同胞书》中，第一次提出“和平统一”的方针。

3. 1979年12月，邓小平在《会见外宾时的讲话》中，第一次提出“一国两制”的方针。

4. 1980年8月，邓小平在《会见外宾时的讲话》中，第一次提出“改革开放”的方针。

5. 1982年9月，邓小平在《会见外宾时的讲话》中，第一次提出“四项基本原则”的方针。

6. 1984年6月，邓小平在《会见外宾时的讲话》中，第一次提出“社会主义初级阶段”的方针。

7. 1987年2月，邓小平在《会见外宾时的讲话》中，第一次提出“社会主义市场经济”的方针。

8. 1989年6月，邓小平在《会见外宾时的讲话》中，第一次提出“三个代表”的方针。

9. 1992年10月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

10. 1997年9月，邓小平在《会见外宾时的讲话》中，第一次提出“和谐社会”的方针。

11. 2002年12月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

12. 2007年10月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

13. 2012年11月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

14. 2017年10月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

15. 2022年10月，邓小平在《会见外宾时的讲话》中，第一次提出“科学发展观”的方针。

1. *Journal of Economic Surveys* 19 (2005) 1–50. <http://www.sciencedirect.com/journal/journal-of-economic-surveys>.

```

% ===== CUBIC EQUATION =====
% Solve the cubic equation:  $ax^3 + bx^2 + cx + d = 0$ 
% Input: a, b, c, d are real or complex numbers
% Output: x1, x2, x3 are the roots of the equation
% Note: The roots are returned in the order: x1, x2, x3
% Example: a=1, b=-6, c=11, d=-6, the roots are 1, 2, 3
% =====

% Check if a is zero
if a == 0
    % If a is zero, it's a quadratic equation
    % Solve the quadratic equation:  $bx^2 + cx + d = 0$ 
    % Use the quadratic formula
    % Discriminant
    D = c^2 - 4*b*d
    % Square root of D
    sqrtD = sqrt(D)
    % Two roots
    x1 = (-c + sqrtD) / (2*b)
    x2 = (-c - sqrtD) / (2*b)
    % Third root is zero
    x3 = 0
else
    % If a is not zero, it's a cubic equation
    % Use the cubic formula
    % Depressed cubic:  $t^3 + pt + q = 0$ 
    p = (3*a*c - b^2) / (3*a^2)
    q = (2*b^3 - 9*a*b*c + 27*a^2*d) / (27*a^3)
    % Discriminant of the depressed cubic
    D = -4*p^3 - 27*q^2
    % Square root of D
    sqrtD = sqrt(D)
    % Three roots
    x1 = (-b + sqrtD) / (3*a)
    x2 = (-b - sqrtD) / (3*a)
    x3 = 0
end

```

[illegible][illegible][illegible][illegible]

1. Name	Mr. J. H. Smith
2. Address	123 Main Street, New York, N.Y.
3. Telephone	NY 1-2345
4. Date	January 15, 1950
5. Subject	Re: [REDACTED]
6. Remarks	[REDACTED]
7. Signature	[REDACTED]
8. Title	[REDACTED]
9. Agency	[REDACTED]
10. File No.	[REDACTED]
11. Distribution	[REDACTED]
12. Remarks	[REDACTED]
13. Signature	[REDACTED]
14. Title	[REDACTED]
15. Agency	[REDACTED]
16. File No.	[REDACTED]
17. Distribution	[REDACTED]
18. Remarks	[REDACTED]
19. Signature	[REDACTED]
20. Title	[REDACTED]
21. Agency	[REDACTED]
22. File No.	[REDACTED]
23. Distribution	[REDACTED]
24. Remarks	[REDACTED]
25. Signature	[REDACTED]
26. Title	[REDACTED]
27. Agency	[REDACTED]
28. File No.	[REDACTED]
29. Distribution	[REDACTED]
30. Remarks	[REDACTED]
31. Signature	[REDACTED]
32. Title	[REDACTED]
33. Agency	[REDACTED]
34. File No.	[REDACTED]
35. Distribution	[REDACTED]
36. Remarks	[REDACTED]
37. Signature	[REDACTED]
38. Title	[REDACTED]
39. Agency	[REDACTED]
40. File No.	[REDACTED]
41. Distribution	[REDACTED]
42. Remarks	[REDACTED]
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45. Agency	[REDACTED]
46. File No.	[REDACTED]
47. Distribution	[REDACTED]
48. Remarks	[REDACTED]
49. Signature	[REDACTED]
50. Title	[REDACTED]
51. Agency	[REDACTED]
52. File No.	[REDACTED]
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54. Remarks	[REDACTED]
55. Signature	[REDACTED]
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57. Agency	[REDACTED]
58. File No.	[REDACTED]
59. Distribution	[REDACTED]
60. Remarks	[REDACTED]
61. Signature	[REDACTED]
62. Title	[REDACTED]
63. Agency	[REDACTED]
64. File No.	[REDACTED]
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67. Signature	[REDACTED]
68. Title	[REDACTED]
69. Agency	[REDACTED]
70. File No.	[REDACTED]
71. Distribution	[REDACTED]
72. Remarks	[REDACTED]
73. Signature	[REDACTED]
74. Title	[REDACTED]
75. Agency	[REDACTED]
76. File No.	[REDACTED]
77. Distribution	[REDACTED]
78. Remarks	[REDACTED]
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REMARK 3.6 (On the choice of α). The choice of α in (3.1) is not unique. For example, based on the asymptotic behavior of $\mathcal{E}_\alpha$, we could choose $\alpha = 1/\log |\log \lambda|$ or $\alpha = 1/\log |\log |\log \lambda||$. In this paper, we choose α such that $\alpha \rightarrow 0$ as $\lambda \rightarrow 0$ and $\alpha \log |\log \lambda| \rightarrow 0$ as $\lambda \rightarrow 0$.

2017-01-12 14:12:12

1. $\mathcal{A}$ is a σ -algebra on Ω and $\mathcal{B}$ is a σ -algebra on $\mathbb{R}$.
 2. μ is a σ -finite measure on $\mathcal{A}$ and ν is a σ -finite measure on $\mathcal{B}$.
 3. f is a $\mathcal{A}$ -measurable function on Ω and g is a $\mathcal{B}$ -measurable function on $\mathbb{R}$.
 4. f is μ -integrable and g is ν -integrable.
 5. f is non-negative and g is non-negative.
 6. f is bounded and g is bounded.
 7. f is continuous and g is continuous.
 8. f is differentiable and g is differentiable.
 9. f is convex and g is convex.
 10. f is concave and g is concave.
 11. f is increasing and g is increasing.
 12. f is decreasing and g is decreasing.
 13. f is odd and g is odd.
 14. f is even and g is even.
 15. f is periodic and g is periodic.
 16. f is symmetric and g is symmetric.
 17. f is antisymmetric and g is antisymmetric.
 18. f is self-adjoint and g is self-adjoint.
 19. f is normal and g is normal.
 20. f is unitary and g is unitary.
 21. f is orthogonal and g is orthogonal.
 22. f is Hermitian and g is Hermitian.
 23. f is anti-Hermitian and g is anti-Hermitian.
 24. f is real and g is real.
 25. f is complex and g is complex.
 26. f is scalar and g is scalar.
 27. f is vector and g is vector.
 28. f is matrix and g is matrix.
 29. f is tensor and g is tensor.
 30. f is spinor and g is spinor.
 31. f is fermion and g is fermion.
 32. f is boson and g is boson.
 33. f is gauge and g is gauge.
 34. f is Higgs and g is Higgs.
 35. f is photon and g is photon.
 36. f is gluon and g is gluon.
 37. f is quark and g is quark.
 38. f is lepton and g is lepton.
 39. f is neutrino and g is neutrino.
 40. f is electron and g is electron.
 41. f is muon and g is muon.
 42. f is tauon and g is tauon.
 43. f is up quark and g is up quark.
 44. f is down quark and g is down quark.
 45. f is strange quark and g is strange quark.
 46. f is charm quark and g is charm quark.
 47. f is bottom quark and g is bottom quark.
 48. f is top quark and g is top quark.
 49. f is positron and g is positron.
 50. f is antineutrino and g is antineutrino.
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