

## Mathematics library classification

MSC (Mathematical subject classification), former AMS-numbers

Shelf	Subject	MSC
<b>1</b>	History of mathematics	(1)
<b>1a</b>	Biographies	
<b>2</b>	Logic, set theory	(3, 4, 8)
<b>3</b>	Algebra	(6, 12, 13, 16, 17, 18)
<b>3a</b>	Linear algebra	(15)
<b>3b</b>	Group theory	(20, 22)
<b>3c</b>	Algebraic geometry	(14)
<b>3d</b>	Category theory	(18)
<b>4</b>	Number theory	(11, 12)
<b>5</b>	Analysis	
<b>5a</b>	Non-standard analysis	(26, 34)
<b>6</b>	Real analysis. Measure theory and integration	(26, 28)
<b>7</b>	Complex analysis	(30, 32)
<b>8</b>	Special functions	(33)
<b>9</b>	Series	(40)
<b>10</b>	Fourier analysis, integral transforms, harmonic analysis	
<b>10a</b>	Potential theory	(31)
<b>10b</b>	Approximation theory	(41)
<b>11</b>	Differential and integral equations	
<b>11a</b>	Ordinary differential equations	(34)
<b>11b</b>	Partial differential equations	(35)
<b>11c</b>	Integral equations	(45)
<b>12</b>	Functional analysis	(46, 47)

<b>13</b>	Calculus of variations	(49)
<b>14</b>	Geometry	(51, 52)
<b>14a</b>	Differential geometry, vector and tensor calculus, differentiable manifolds	(22, 53, 57)
<b>14b</b>	Global analysis	(58)
<b>15</b>	Topology	(19, 22, 54, 55, 57)
<b>16</b>	Probability theory	(60)
<b>16a</b>	Stochastic processes	(60)
<b>16b</b>	Statistics	(62)
<b>16b1</b>	Bibliographies in mathematical statistics	
<b>16c</b>	Quality control and reliability theory	
<b>16d</b>	Statistical data, standards	
<b>16e</b>	Biomathematics	(92)
<b>17</b>	Numerical analysis	(65)
<b>17a</b>	Interpolation theory	(41)
<b>17b</b>	Numerical linear algebra	(65)
<b>17c</b>	Quadrature and numerical differentiation	
<b>17d</b>	Non-linear equations	
<b>17e</b>	Numerical solution of differential equations	
<b>17f</b>	Numerical analysis, assorted topics	
<b>18</b>	Discrete mathematics, combinatorics, graph theory	(5, 68, 90, 94)
<b>19</b>	Optimization theory	(49, 90)
<b>20</b>	Applied mathematics	
<b>20a</b>	Physics	(70, 73, 76,78, 80, 81, 82, 83, 85, 86)
<b>20a1</b>	Physics before 1960	(70, 73, 76,78, 80, 81, 82, 83, 85, 86)
<b>20c</b>	Control theory, digital filters	(49, 93)
<b>20e</b>	Economics	(91)

<b>21</b>	Tables	
<b>22</b>	Problem collections	
<b>23</b>	Collected works	
<b>24</b>	Congress proceedings	
<b>25</b>	Computer programs for mathematics	
<b>26</b>	Assorted topics	
<b>26a</b>	Human resources	
<b>27</b>	Dictionaries	
<b>28</b>	Encyclopedias	
<b>29</b>	AMS Translations (bokserie)	
<b>30</b>	Seminars	
<b>31</b>	Didactics of mathematics	(97)