A Seventh Bibliography of Fractional Programming

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This bibliography of fractional programming is a continuation of six previous bibliographies by the author (Pure Appl.Math. Sci. (India), Vol. XIII, No. 1-2, 35-69, March (1981); ibid. Vol. XVII, No. 1-2, 87-102, March (1983); ibid. XXII, No. 1-2, 109-122, September (1985); Optimization 23(1992)1, 53-71; ibid. 45(1999) 1-4, 343-367; ibid. 55 (2006)4, 405-428).

This paper lists in alphabetical order by the name of the first author, 745 papers dealing with fractional programming and its applications. This covers mainly the period 2005-2012 but it also includes some references published up to 2005 which were not included in the first previous bibliographies or which were mentioned as "to appear" in the six bibliography. In compiling this list we used Mathematical Reviews, Zentralblatt für Mathematik, Internet and Current Papers on Computers & Control.

The papers are either published in some form (in technical journals or as internal reports) or are available only as typewritten manuscripts (for example as doctoral these or as papers presented at scientific session). If a work was first published as an internal report, and later in a technical journal, both publications are cited, since it may occasionally be easier for anyone seeking literature to find a copy of the internal report.

The organization of the bibliography is the same as that used previously; the references are classified into one or more of 15 sections by their basic contents and there is an alphabetical author index.

In an undertaking of this scope and nature some errors are inevitable, despite elaborate precautions and checks. The author will be grateful for any corrections, additions or comments about this bibliography.

Classification by subject area

1. *General, fractional functions, doctoral thesis, books* : 53, 96, 99, 115, 221, 289, 348, 374, 378, 394, 405, 437, 496, 509, 520, 525, 527, 598, 618, 678, 683.

2. *Applications* : 4, 5, 20, 22, 23, 36, 41, 42, 44, 49, 52, 63, 70, 75, 78-80, 86, 88, 102-105, 110, 130, 135, 136, 139, 143-145, 153, 155, 157, 161, 167-169, 175, 186, 204, 207-212, 216, 217, 219, 233, 234, 242, 243, 247,248, 256, 294, 309, 310, 321, 329, 346, 347, 349, 350, 354, 365, 367, 369, 373, 381, 383, 391, 392, 408, 409, 445-447, 452, 455, 458, 459, 464, 468, 473, 494, 497-499, 523, 530, 532, 554-557, 562, 574-578, 586-588, 592, 593, 604, 608, 610, 611, 617, 627, 637, 648, 670, 671, 677, 682, 689, 697, 698, 735, 744.

3. *Linear fractional programming* : 36, 47, 48, 51, 91, 93, 94, 98, 106, 107, 109, 111, 112, 138, 166, 174, 176-181, 183-185, 188-191, 205,305-308, 370, 372, 401, 414, 454, 471, 480, 481, 501, 508, 513, 549, 550, 552, 559, 561, 576, 577, 605, 612-615, 624, 630, 638, 641, 669, 670-673, 675.

4. *Integer and mixed integer fractional programming* : 6, 19, 20, 34, 35, 39, 43, 45, 52, 74, 76, 87, 113, 137, 147, 158, 159, 182, 313-315, 318, 345, 402-404, 521, 533, 537-544, 560, 564, 628, 644.

6. *Duality theory* : 9-17, 24, 25, 27, 28, 43, 56, 57, 81-83, 106, 109, 131, 134, 142, 156, 160, 165, 192, 198, 202, 203, 220, 222, 223, 225, 237, 244-246, 250, 251, 254, 281, 288, 292, 293, 295, 303, 311, 333-340, 342-344, 355-362, 364, 366, 385, 387-389, 399, 416, 419-422, 427, 429, 432-434, 436, 438, 439, 444, 450, 451, 456, 457, 460-463, 466, 467, 482, 483, 485-491, 505, 514, 519, 528, 563, 583, 591, 596, 599, 600, 607, 626, 642, 656, 668, 681, 688, 690, 692, 693, 729, 731.

7. *Fractional programming in complex space* : 360, 361, 363, 465, 467.

8. *Non-linear fractional programming* : 8, 21, 24, 26, 31, 46, 58-62, 65, 66, 71, 74, 77, 84, 89, 92, 95, 97, 100, 101, 103, 146, 170, 173, 187, 192, 193, 206, 213-215, 249, 252, 253, 268, 270, 272-274, 280, 286, 287, 291, 301, 327, 328, 332, 380, 398, 449, 453, 484, 500, 503, 506, 551, 553, 558, 572, 587, 590, 602, 629, 632, 640, 655, 657-661, 674, 676, 679, 680, 684-687, 691, 694, 696, 700, 730, 734, 738-741, 743.

9. *Multiobjective and generalized fractional programming, minimax problems* : 1-3, 10, 14, 16, 18, 23, 30, 32, 33, 37, 40, 50, 54, 55, 64, 67-69, 72, 73, 76, 81, 82, 85, 90, 105, 108, 114, 117, 123, 124, 126, 128, 129, 131, 137, 140-142, 148-152, 154, 156, 160-162, 164, 165, 168, 194- 197, 199-203, 218, 220, 222, 223, 227, 228, 230-232, 236, 238-241, 257, 258, 262-269, 271, 282-285, 290, 296-300, 302, 304, 311, 314-319, 330, 331, 333-339, 341-343, 344, 345, 351- 354, 358, 364, 366, 375, 379, 382, 384-389, 390, 393, 395-397, 399, 400, 404, 406, 407, 411, 413, 416-436, 439, 440, 442, 450, 451, 456, 457, 461, 466, 469, 470, 472, 476-479, 483, 485-494, 502, 504, 507, 511, 516-519, 521, 522, 524, 527-529, 531, 535, 536, 538, 542, 545, 564-571, 573, 579-582, 589, 594-596, 599, 603, 606, 607, 609, 616, 619, 621-623, 625, 626, 633-636, 639, 643, 645, 646, 648-651, 662-664, 695, 701-728, 733, 736, 742.

10. *Parametric fractional programming and sensitivity analysis* : 122, 226, 255, 257, 260, 264-267, 275, 312, 322-326, 377, 584, 699.

11. *Fuzzy fractional programming* : 1, 7, 28, 29, 37, 38, 77, 112, 114, 132, 158, 159, 172, 224, 225, 255, 257, 260, 262, 264-267, 275, 312, 317-220, 368, 371, 410, 412, 413, 415, 443, 448, 470, 471, 474, 475, 478, 479, 507, 508, 510-513, 515, 516, 534-537, 539, 541-548, 579-582, 601, 643, 647, 652-654, 665-667, 732.

12. *Transportation technique in fractional programming* : 125, 127, 172, 224, 259, 261, 267-279, 305-306, 376, 441, 510, 553, 583, 585, 621, 622.

13. *Stochastic fractional programming* : 116, 118-127, 167-169, 229, 257, 276-279, 319, 320, 345, 371, 413, 495, 597, 620, 631, 737, 745.

14. *Inexact fractional programming* : 117, 133, 235.

15. *Decomposition principle* : 255.

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38. **Arora, S.R.** and **Gaur, Anuradha:** *A fuzzy algorithm for multilevel programming problems.* Opsearch **47**(2010)2, 118-127.

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