

MYWEBSPORT ELO ranking regulations

Version #2 | 2022-11-15

$$R_{NEW} = R_{OLD} + 100 * (MRES - MEXP)$$

R_{NEW} is the new rating score

R_{OLD} is the old rating score

$MRES$ is the match result (win = 1,0 | draw = 0,5 | loss = 0,0)

$MEXP$ is the expected match result (win expectancy)

The maximum rating score increase / decrease in 1 match is approx. 100 points

$$MEXP = 1 / (10 ^ { (-R_{DIF} / 500)} + 1)$$

R_{DIF} is the difference between the players' old rating scores

$MEXP$ is between 0 and 1

$$R_{DIF} = R_{OLD} - R_{OLD[OPP]}$$

$R_{OLD[OPP]}$ is the opponent's old rating score

Definitions:

A separate ranking list is kept for each discipline, which includes all competition matches from Sep 2022.

The starting rating score for a player is 5000 points.

A player needs at least 10 matches in total to be included in the ranking list.

A player needs at least 5 matches per rating period to participate in the bonus money awarding of this period.

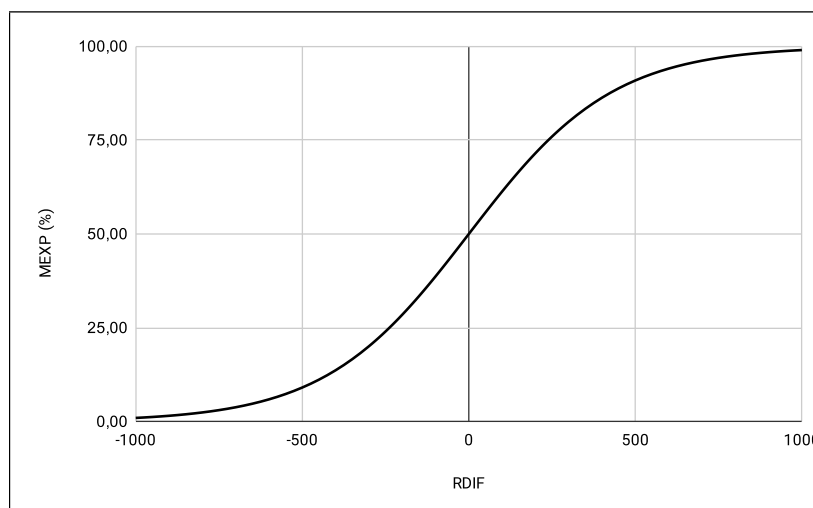
Rating periods and bonus money / distribution keys may be adjusted for future periods and are therefore

announced separately at the start of a new period.

A player's rating score is calculated per rating period, all matches within a period are calculated at the end of this period with the final rating scores of the players concerned from the previous period.

Walkover matches (w.o.) are not counted for the ELO ranking.

R_{DIF}	$MEXP$ (%)
-1000	0,99
-975	1,11
-950	1,24
-925	1,39
-900	1,56
-875	1,75
-850	1,96
-825	2,19
-800	2,45
-775	2,74
-750	3,07
-725	3,43
-700	3,83
-675	4,28
-650	4,77
-625	5,32
-600	5,94



The (approx.) win expectancy is: 1% with $R_{DIF} = -1000$

10% with $R_{DIF} = -500$

25% with $R_{DIF} = -250$

50% with $R_{DIF} = 0$

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-575	6,61	75% with RDIF = 250
-550	7,36	90% with RDIF = 500
-525	8,18	99% with RDIF = 1000
-500	9,09	
-475	10,09	
-450	11,18	
-425	12,38	
-400	13,68	
-375	15,10	
-350	16,63	
-325	18,29	
-300	20,08	
-290	20,83	
-280	21,59	
-270	22,38	
-260	23,19	
-250	24,03	
-240	24,88	
-230	25,75	
-220	26,64	
-210	27,55	
-200	28,47	
-190	29,42	
-180	30,39	
-170	31,37	
-160	32,37	
-150	33,39	
-140	34,42	
-130	35,46	
-120	36,53	
-110	37,60	
-100	38,69	
-90	39,78	
-80	40,89	
-70	42,01	
-60	43,14	
-50	44,27	
-40	45,41	
-30	46,55	
-20	47,70	
-10	48,85	
0	50,00	
10	51,15	
20	52,30	
30	53,45	
40	54,59	
50	55,73	
60	56,86	
70	57,99	

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80	59, 11
90	60, 22
100	61, 31
110	62, 40
120	63, 47
130	64, 54
140	65, 58
150	66, 61
160	67, 63
170	68, 63
180	69, 61
190	70, 58
200	71, 53
210	72, 45
220	73, 36
230	74, 25
240	75, 12
250	75, 97
260	76, 81
270	77, 62
280	78, 41
290	79, 17
300	79, 92
325	81, 71
350	83, 37
375	84, 90
400	86, 32
425	87, 62
450	88, 82
475	89, 91
500	90, 91
525	91, 82
550	92, 64
575	93, 39
600	94, 06
625	94, 68
650	95, 23
675	95, 72
700	96, 17
725	96, 57
750	96, 93
775	97, 26
800	97, 55
825	97, 81
850	98, 04
875	98, 25
900	98, 44
925	98, 61
950	98, 76

975	98,89
1000	99,01