

# GRACE-LA2-3

## (1) Evaluation Result without Considering Links

Summary Statistics	
Run ID	GRACE-LA2-3
Subtask	I-A2
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE and RDOC[1]
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	2492
Rel-ret:	1906

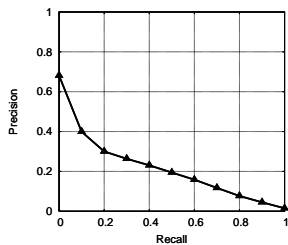
Summary Statistics	
Run ID	GRACE-LA2-3
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE and RDOC[1]
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3706
Rel-ret:	2846

Recall Level Precision Averages	
Recall	Precision
0.00	0.6808
0.10	0.3992
0.20	0.3002
0.30	0.2633
0.40	0.2305
0.50	0.1943
0.60	0.1585
0.70	0.1170
0.80	0.0768
0.90	0.0450
1.00	0.0149
Average precision over all relevant documents	
non-interpolated	0.1977

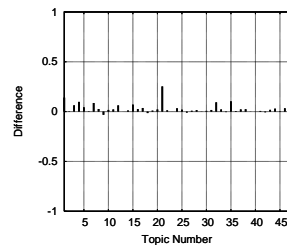
Document Level Averages	
	Precision
At 5 docs	0.3574
At 10 docs	0.2766
At 15 docs	0.2681
At 20 docs	0.2713
At 30 docs	0.2525
At 100 docs	0.1809
At 200 docs	0.1282
At 500 docs	0.0697
At 1000 docs	0.0406
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2229

Recall Level Precision Averages	
Recall	Precision
0.00	0.7535
0.10	0.4867
0.20	0.4072
0.30	0.3384
0.40	0.2983
0.50	0.2517
0.60	0.2038
0.70	0.1554
0.80	0.1011
0.90	0.0490
1.00	0.0077
Average precision over all relevant documents	
non-interpolated	0.2546

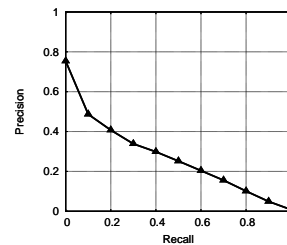
Document Level Averages	
	Precision
At 5 docs	0.4766
At 10 docs	0.4106
At 15 docs	0.3929
At 20 docs	0.3883
At 30 docs	0.3560
At 100 docs	0.2555
At 200 docs	0.1874
At 500 docs	0.1033
At 1000 docs	0.0606
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2770



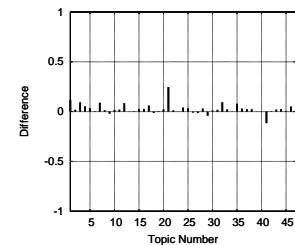
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 6 'automatic' and 'TITLE and RDOC[1]' runs)\*

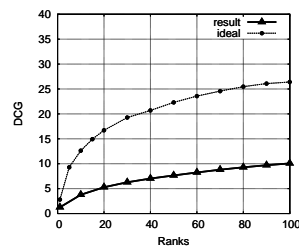


Recall-Precision Curve



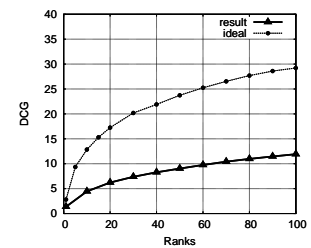
Difference from Median in Average Precision per Topic (over 6 'automatic' and 'TITLE and RDOC[1]' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	1.2553
At 10 docs	3.7673
At 20 docs	5.2798
At 30 docs	6.2715
At 40 docs	7.0270
At 50 docs	7.6488
At 60 docs	8.2449
At 70 docs	8.8033
At 80 docs	9.2808
At 90 docs	9.7022
At 100 docs	10.0645
At 200 docs	12.2572
At 500 docs	14.5342
At 1000 docs	15.7602



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 0$ )

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	1.3617
At 10 docs	4.4475
At 20 docs	6.2182
At 30 docs	7.3748
At 40 docs	8.2784
At 50 docs	9.0238
At 60 docs	9.7485
At 70 docs	10.4158
At 80 docs	10.9685
At 90 docs	11.4593
At 100 docs	11.9122
At 200 docs	14.7188
At 500 docs	17.5938
At 1000 docs	19.1600



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 1$ )

\* Topic Numbers: ( 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,56,57,58,59,60,61,62,63 )

## (2) Evaluation Result with Considering Links

Summary Statistics	
Run ID	GRACE-LA2-3
Subtask	I-A2
Relevant Level	Level1 (H or A)
Query Method	automatic
Topic Part	TITLE and RDOC[1]
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	3558
Rel-ret:	2537

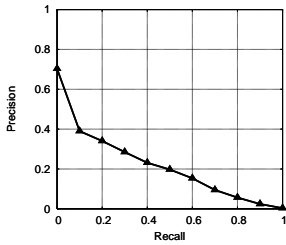
Summary Statistics	
Run ID	GRACE-LA2-3
Subtask	I-A2
Relevant Level	Level2 (H, A or B)
Query Method	automatic
Topic Part	TITLE and RDOC[1]
Contents/Links Used	contents only
Number of Topics	47
Total number of documents over all topics	
Retrieved:	47000
Relevant:	4928
Rel-ret:	3539

Recall Level Precision Averages	
Recall	Precision
0.00	0.7027
0.10	0.3900
0.20	0.3404
0.30	0.2850
0.40	0.2313
0.50	0.1973
0.60	0.1533
0.70	0.0947
0.80	0.0567
0.90	0.0241
1.00	0.0036
Average precision over all relevant documents	
non-interpolated	0.1998

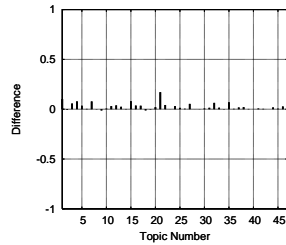
Document Level Averages	
	Precision
At 5 docs	0.3872
At 10 docs	0.3404
At 15 docs	0.3390
At 20 docs	0.3404
At 30 docs	0.3142
At 100 docs	0.2251
At 200 docs	0.1610
At 500 docs	0.0901
At 1000 docs	0.0540
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2464

Recall Level Precision Averages	
Recall	Precision
0.00	0.7738
0.10	0.5098
0.20	0.4184
0.30	0.3500
0.40	0.2869
0.50	0.2428
0.60	0.1787
0.70	0.1145
0.80	0.0682
0.90	0.0139
1.00	0.0017
Average precision over all relevant documents	
non-interpolated	0.2448

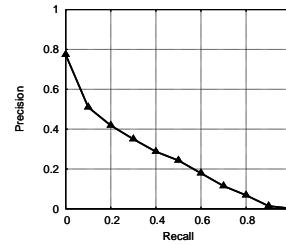
Document Level Averages	
	Precision
At 5 docs	0.5106
At 10 docs	0.4638
At 15 docs	0.4525
At 20 docs	0.4468
At 30 docs	0.4106
At 100 docs	0.2989
At 200 docs	0.2207
At 500 docs	0.1253
At 1000 docs	0.0753
R-Precision (precision after R docs retrieved (where R is the number of relevant documnets))	
Exact	0.2882



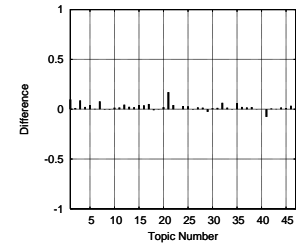
Recall-Precision Curve



Difference from Median in Average Precision per Topic (over 6 'automatic' and 'TITLE and RDOC[1]' runs)\*

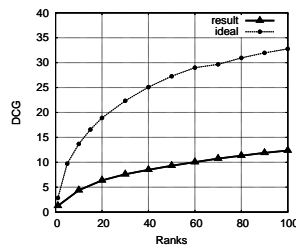


Recall-Precision Curve



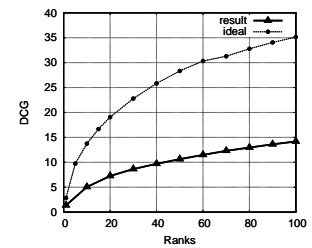
Difference from Median in Average Precision per Topic (over 6 'automatic' and 'TITLE and RDOC[1]' runs)\*

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 1$ )	
	DCG
At 1 doc	1.2553
At 10 docs	4.3917
At 20 docs	6.3645
At 30 docs	7.5929
At 40 docs	8.4895
At 50 docs	9.3089
At 60 docs	10.0377
At 70 docs	10.7402
At 80 docs	11.3206
At 90 docs	11.8883
At 100 docs	12.3606
At 200 docs	15.2014
At 500 docs	18.4347
At 1000 docs	20.3841



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 0$ )

Discounted ( $\log_2$ ) Cummulative Gain Averages ( $G_S = 3, G_A = 2, G_B = 0$ )	
	DCG
At 1 doc	1.3617
At 10 docs	5.0407
At 20 docs	7.2451
At 30 docs	8.6382
At 40 docs	9.6869
At 50 docs	10.6262
At 60 docs	11.4797
At 70 docs	12.2948
At 80 docs	12.9571
At 90 docs	13.6074
At 100 docs	14.1704
At 200 docs	17.6505
At 500 docs	21.5666
At 1000 docs	23.9079



Discounted Cummulative Gain Curve ( $G_S = 3, G_A = 2, G_B = 1$ )

\* Topic Numbers: ( 1, 2, 3, 4, 5, 6, 7, 8, 9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47 )  
 Topic IDs: ( 8,10,11,12,13,14,15,16,17,18,19,20,22,23,24,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,56,57,58,59,60,61,62,63 )