

II. Term structure of interest rates in the debt securities market *

b) Term structure of interest rates in the debt securities market - estimated values, Pfandbriefe

% per annum

Interest rate at a residual maturity of ... years										
End of year or month or trading day	1	2	3	4	5	6	7	8	9	10
2014	0.25	0.23	0.27	0.34	0.44	0.54	0.65	0.76	0.87	0.97
2015	0.10	0.10	0.14	0.25	0.39	0.54	0.69	0.84	0.97	1.09
2016	– 0.03	0.07	0.06	0.09	0.16	0.26	0.38	0.51	0.63	0.74
2017	– 0.12	– 0.03	0.08	0.20	0.33	0.46	0.59	0.72	0.84	0.95
2018	– 0.11	– 0.04	0.04	0.15	0.29	0.44	0.59	0.73	0.85	0.97
2019	– 0.21	– 0.20	– 0.15	– 0.09	– 0.02	0.05	0.11	0.18	0.24	0.30
2020	– 0.42	– 0.40	– 0.37	– 0.34	– 0.31	– 0.28	– 0.25	– 0.21	– 0.17	– 0.13
2021	– 0.41	– 0.23	– 0.07	0.03	0.09	0.15	0.19	0.24	0.29	0.35
2022	3.22	3.33	3.28	3.26	3.26	3.26	3.27	3.28	3.29	3.28
2023	3.53	3.01	2.79	2.71	2.71	2.73	2.76	2.80	2.83	2.86
2024	2.64	2.58	2.61	2.68	2.75	2.82	2.89	2.94	2.99	3.03
2023 Nov.	3.84	3.49	3.29	3.20	3.16	3.17	3.19	3.22	3.26	3.30
Dec.	3.53	3.01	2.79	2.71	2.71	2.73	2.76	2.80	2.83	2.86
2024 Jan.	3.62	3.15	2.96	2.90	2.91	2.93	2.96	3.00	3.02	3.05
Feb.	3.90	3.55	3.35	3.24	3.20	3.18	3.19	3.21	3.23	3.26
Mar.	3.81	3.43	3.21	3.08	3.01	2.99	2.99	3.01	3.04	3.07
Apr.	3.85	3.58	3.40	3.29	3.23	3.21	3.21	3.22	3.25	3.28
May	3.86	3.63	3.47	3.37	3.32	3.29	3.29	3.30	3.32	3.34
June	3.72	3.42	3.28	3.22	3.20	3.19	3.20	3.22	3.23	3.25
July	3.50	3.15	2.99	2.93	2.92	2.94	2.98	3.02	3.06	3.10
Aug.	3.20	2.91	2.81	2.78	2.79	2.83	2.87	2.91	2.96	2.99
Sep.	2.93	2.61	2.54	2.56	2.61	2.67	2.73	2.79	2.85	2.90
Oct.	2.81	2.68	2.67	2.69	2.74	2.79	2.84	2.89	2.93	2.97
Nov.	2.66	2.52	2.49	2.52	2.57	2.63	2.69	2.74	2.78	2.82
Dec.	2.64	2.58	2.61	2.68	2.75	2.82	2.89	2.94	2.99	3.03
2025 Jan.	2.68	2.62	2.64	2.70	2.77	2.84	2.91	2.97	3.02	3.07
Feb.	2.53	2.46	2.47	2.54	2.62	2.70	2.78	2.85	2.91	2.96
Mar.	2.46	2.46	2.54	2.65	2.77	2.88	2.99	3.08	3.16	3.22
Apr.	2.24	2.22	2.30	2.42	2.56	2.69	2.80	2.91	2.99	3.07
2025 Apr. 2	2.47	2.47	2.54	2.65	2.76	2.88	2.98	3.06	3.14	3.20
3	2.43	2.42	2.50	2.61	2.73	2.85	2.95	3.04	3.12	3.18
4	2.39	2.35	2.41	2.52	2.64	2.76	2.87	2.97	3.05	3.11
7	2.33	2.27	2.34	2.46	2.60	2.74	2.86	2.96	3.04	3.12
8	2.37	2.34	2.42	2.55	2.69	2.82	2.93	3.03	3.11	3.18
9	2.35	2.32	2.41	2.55	2.69	2.83	2.94	3.05	3.13	3.20
10	2.38	2.37	2.45	2.57	2.70	2.83	2.94	3.03	3.11	3.18
11	2.35	2.32	2.41	2.55	2.70	2.83	2.94	3.04	3.12	3.18
14	2.34	2.32	2.41	2.54	2.68	2.81	2.92	3.01	3.09	3.15
15	2.34	2.30	2.38	2.51	2.64	2.77	2.88	2.98	3.06	3.13
16	2.32	2.29	2.37	2.49	2.63	2.76	2.88	2.98	3.06	3.13
17	2.32	2.30	2.38	2.51	2.65	2.78	2.89	2.99	3.07	3.14
22	2.24	2.21	2.30	2.43	2.58	2.72	2.84	2.95	3.03	3.11
23	2.25	2.22	2.30	2.43	2.57	2.71	2.83	2.93	3.02	3.09
24	2.25	2.23	2.31	2.44	2.58	2.71	2.83	2.93	3.02	3.09
25	2.25	2.23	2.30	2.43	2.57	2.70	2.82	2.92	3.01	3.08
28	2.26	2.24	2.32	2.45	2.59	2.72	2.84	2.94	3.02	3.10
29	2.24	2.22	2.30	2.43	2.57	2.70	2.82	2.92	3.01	3.09
30	2.24	2.22	2.30	2.42	2.56	2.69	2.80	2.91	2.99	3.07
May 2	2.23	2.23	2.30	2.42	2.56	2.69	2.80	2.90	2.99	3.06
Memo item: yields, derived from the term of structure of interest rates, on Pfandbriefe with annual coupon payments										
2025 Apr. 30	2.24	2.22	2.30	2.41	2.54	2.67	2.78	2.87	2.95	3.02
Parameters for calculating the term structure of interest rates										
	Beta0	Beta1	Beta2	Beta3	Tau1	Tau2				
2025 Apr. 28	3.81052	– 1.36287	– 0.61213	– 4.08912	0.41198	1.57076				
29	3.82244	– 1.32873	– 0.74135	– 4.13336	0.41757	1.59273				
30	3.80316	– 1.29717	– 0.74519	– 4.06712	0.43177	1.61783				
May 2	3.79787	– 1.34855	– 0.82566	– 4.03599	0.40273	1.63021				

* Interest rates on (theoretical) zero coupon bonds, estimated according to the procedure outlined in the explanatory notes. The estimates are based on the prices of Pfandbriefe (mortgage Pfandbriefe and public Pfandbriefe) with a residual maturity of

at least three months. The interest rates are estimated using a non-linear, parametric approach.

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% per annum

Interest rate at a residual maturity of ... years										
End of year or month or trading day	11	12	13	14	15	16	17	18	19	20
2014										
2015										
2016										
2017	1.05	1.15	1.24	1.32	1.39	1.46	1.52	1.57	1.62	1.67
2018	1.07	1.17	1.25	1.32	1.38	1.44	1.49	1.54	1.58	1.62
2019	0.36	0.41	0.47	0.52	0.57	0.62	0.66	0.71	0.76	0.81
2020	–	0.09	–	0.01	0.04	0.08	0.13	0.17	0.22	0.27
2021	0.41	0.46	0.52	0.58	0.63	0.69	0.74	0.79	0.84	0.89
2022	3.28	3.27	3.26	3.25	3.23	3.21	3.19	3.17	3.15	3.13
2023	2.88	2.90	2.92	2.94	2.96	2.97	2.98	2.99	3.00	3.01
2024	3.06	3.08	3.11	3.13	3.15	3.16	3.17	3.19	3.20	3.21
2023 Nov.	3.33	3.36	3.39	3.41	3.43	3.44	3.45	3.45	3.46	3.46
Dec.	2.88	2.90	2.92	2.94	2.96	2.97	2.98	2.99	3.00	3.01
2024 Jan.	3.07	3.09	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18
Feb.	3.28	3.31	3.32	3.34	3.35	3.36	3.37	3.37	3.37	3.37
Mar.	3.11	3.14	3.17	3.19	3.22	3.23	3.25	3.26	3.26	3.27
Apr.	3.31	3.34	3.37	3.39	3.42	3.43	3.44	3.45	3.46	3.46
May	3.37	3.39	3.42	3.44	3.46	3.48	3.49	3.50	3.51	3.51
June	3.27	3.29	3.31	3.32	3.34	3.35	3.36	3.37	3.38	3.39
July	3.13	3.17	3.20	3.23	3.25	3.27	3.29	3.31	3.32	3.33
Aug.	3.03	3.06	3.09	3.11	3.13	3.15	3.17	3.18	3.20	3.21
Sep.	2.94	2.98	3.02	3.05	3.08	3.10	3.12	3.14	3.16	3.18
Oct.	3.00	3.03	3.06	3.08	3.10	3.12	3.13	3.14	3.16	3.17
Nov.	2.85	2.88	2.90	2.92	2.94	2.96	2.97	2.98	2.99	3.00
Dec.	3.06	3.08	3.11	3.13	3.15	3.16	3.17	3.19	3.20	3.21
2025 Jan.	3.10	3.13	3.16	3.19	3.21	3.22	3.24	3.25	3.27	3.28
Feb.	3.01	3.05	3.08	3.11	3.13	3.16	3.18	3.19	3.21	3.22
Mar.	3.28	3.33	3.37	3.40	3.44	3.46	3.49	3.51	3.53	3.55
Apr.	3.13	3.18	3.23	3.27	3.31	3.34	3.36	3.39	3.41	3.43
2025 Apr. 2	3.25	3.30	3.34	3.37	3.40	3.43	3.45	3.47	3.49	3.51
3	3.24	3.29	3.33	3.36	3.39	3.42	3.44	3.46	3.48	3.50
4	3.17	3.22	3.27	3.30	3.34	3.36	3.39	3.41	3.43	3.45
7	3.18	3.23	3.27	3.31	3.35	3.38	3.40	3.43	3.45	3.47
8	3.24	3.29	3.33	3.37	3.40	3.43	3.45	3.47	3.49	3.51
9	3.26	3.31	3.35	3.39	3.42	3.45	3.48	3.50	3.52	3.54
10	3.24	3.30	3.34	3.38	3.41	3.44	3.47	3.49	3.52	3.53
11	3.24	3.28	3.32	3.36	3.39	3.41	3.43	3.45	3.47	3.49
14	3.20	3.25	3.29	3.32	3.35	3.37	3.40	3.42	3.43	3.45
15	3.18	3.23	3.27	3.31	3.34	3.37	3.39	3.41	3.43	3.45
16	3.19	3.24	3.28	3.32	3.35	3.38	3.41	3.43	3.45	3.47
17	3.20	3.25	3.30	3.33	3.37	3.40	3.42	3.44	3.46	3.48
22	3.17	3.22	3.27	3.31	3.34	3.37	3.40	3.43	3.45	3.47
23	3.16	3.21	3.25	3.29	3.33	3.36	3.38	3.41	3.43	3.45
24	3.16	3.21	3.26	3.30	3.33	3.36	3.39	3.41	3.43	3.45
25	3.14	3.19	3.24	3.28	3.31	3.34	3.37	3.39	3.42	3.44
28	3.16	3.21	3.26	3.29	3.33	3.36	3.39	3.41	3.43	3.45
29	3.15	3.20	3.25	3.29	3.33	3.36	3.38	3.41	3.43	3.45
30	3.13	3.18	3.23	3.27	3.31	3.34	3.36	3.39	3.41	3.43
May 2	3.13	3.18	3.23	3.27	3.30	3.33	3.36	3.38	3.41	3.43
Memo item: yields, derived from the term of structure of interest rates, on Pfandbriefe with annual coupon payments										
2025 Apr. 30	3.08	3.12	3.16	3.20	3.23	3.26	3.28	3.30	3.32	3.34
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