# A Bibliography of Publications of Ilse C. F. Ipsen

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## Abstract

This bibliography records publications of Ilse C. F. Ipsen.

## Title word cross-reference

$p$ [CI21]. $QR$ [CI91, CI94d, CI95a, HIW15, Ips84a]. $\sin\Theta$ [Ips00c].

**-norms** [CI21].

**14th** [IMŠ+09a, IMŠ+09b].

**2004** [Ips06f]. **2007** [IMŠ+09a, IMŠ+09b].

**'92** [xJ94].

**Absolute** [EI98b, Ips00b, EI99, Ips03]. **Accuracy** [BCCI98, JI92]. **accurate** [Ips06e, Ips06f, Ips09f]. **Active** [HIS18]. **Advanced** [GD88]. **Algebra** [GD88, IMŠ+09b, xJ94, Lew94]. **Algorithm** [CI94b, CI95b, DI89, EBSS+11, IK05, CI95a, IK06]. **Algorithms** [DI90, GD88, Ips87, Ips88, Ips90, Sch88, Ips91]. **Analysis** [CI95a, CI95b, IK05, IZ20, IK06, IW06, Ips09e]. **Angeles** [Rod89]. **Angle** [IM95]. **Application** [EBSS+11, HI82, HIS18]. **Applications** [xJ94]. **Applied** [Lew94, FKL+06]. **approach** [CI22]. **Approximation** [DIKMI18, HI15]. **Approximations** [DI19]. **Architectures** [DI87a, IS85, IS86, Sch88]. **arclength** [DKIK07]. **array** [DI86b]. **Arrays** [BI87, DI87a, Ips84b]. **Attention** [IS08, IS07]. **Austria** [CW86]. **aware** [HI23].

**Backward** [CI94a]. **Bareiss** [DI89, Ips90, Ips91]. **based** [CI22]. **BayesCG** [RICO23]. **Bayesian** [COIG19]. **behind** [IM98]. **Belgium** [GD88]. **Between**

[IM95]. **Block** [DIKMI18]. **Bound** [HIS18]. **Bounds** [EI94, EI98b, HI15, CI21, EI99, HI23, Ips00b, Ips00a, Ips03, IR08, IN09].

**California** [Rod89]. **Can** [BDI24]. **Carlo** [EBSS+11, HIS23]. **Chains** [IM94]. **Characteristic** [RI11, IR08]. **Chicago** [DMSV90]. **China** [IMŠ+09b]. **Code** [GI89a]. **Coefficients** [IS11]. **Coherence** [IW14]. **Columns** [IW14]. **Communicating** [FKL+06]. **Complementary** [IM95]. **Complex** [Ips96a, Ips00c]. **Complexity** [ISS84, ISS86]. **Components** [CI95c]. **computability** [DI86b]. **Computation** [DI89, DI90, HIW15, HI15, IS08, IS07]. **Computations** [Ips83]. **Computer** [Sch88]. **Computing** [CI94b, CI95b, DI87b, DMSV90, Ips97, RI11, CI95a, Rod89]. **Condition** [DKIK07]. **Conditioning** [HIW15]. **cones** [DI86b]. **Conference** [DMSV90, IMŠ+09a, xJ94, Lew94, Rod89, IMŠ+09b]. **Conjugate** [COIG19]. **Conquer** [CI94b]. **Construction** [DI87a]. **continuation** [DKIK07]. **Contributions** [Ips96a]. **Convergence** [CIK+95, CIK+96, DIKMI18, IK05, IK06]. **Correlations** [DI87b, DI89].

**Dangling** [IS08, IS07]. **Data** [DI87b]. **December** [DMSV90, Rod89]. **Decomposition** [CI94c, HIW15, Ips84b]. **Decompositions** [CI94a, HI83]. **Deficient** [IKP11]. **Defined** [IS11]. **Definite** [DI86a, Ips87, Ips88]. **Dense** [ISS84, ISS86, Ips87, Ips88]. **Dense-Linear-System** [ISS86]. **Dependences** [DI90]. **determinant** [SAI17]. **determinants** [IR08]. **deterministic** [HI23]. **devoted** [IMŠ+09b]. **Diagonal** [HIS23]. **diagonalisable** [EI98a]. **Digital** [GD88]. **Discussion** [COIG19]. **Divide** [CI94b]. **Do** [DI19]. **Dominant** [DIKMI18].

**edition** [GIO+19]. **Editorial** [GIO+19]. **Effect** [IW14]. **Efficient** [DI87a]. **eigenproblem** [Ips10e]. **Eigenspaces** [EI94]. **Eigenvalue** [CI94a, IS85, IS86, IJ87a, IJ90, Ips96a, CW86, IJ87b, Ips06e, Ips06f, Ips09f]. **Eigenvalues** [EI98b, RI11, BI03, EI98a, EI99, Ips98, IN09]. **Eigenvector** [Ips97]. **eigenvectors** [EI98a]. **Embed** [BI85]. **Equations** [CIK+95, CI95c, CIK+96]. **Equivalence** [HI82]. **Ergodicity** [IS11]. **Error** [IZ20, HI23]. **Errors** [CI94a]. **Estimates** [CIK+95, CIK+96, DKIK07]. **Estimating** [HIS23]. **estimators** [SAI17]. **Europe** [CW86]. **Exact** [HI15]. **examples** [FKL+06]. **excess** [CI22]. **Expository** [Ips10a, Ips10b, Ips10c, Ips10d, Ips11a, Ips11b, Ips11c, Ips11d, Ips12a]. **Expressions** [Ips00a].

**Factorisations** [CI91, CI94d]. **Fast** [Ips84a]. **Fifth** [Lew94]. **floating** [HI23]. **four** [FKL+06]. **Fourth** [DMSV90]. **free** [SAI17]. **Functions** [BKS18].

**Gap** [DI19]. **Generalised** [Ips90, Ips91]. **Germany** [Ips06f]. **Givens'** [Ips84a, BI87]. **GMRES** [CIKM94, CIK+95, CIK+96, CIKM96, Ips00a]. **Google** [IW06, WI09, WI09]. **Gradient** [COIG19]. **Gram** [HI15]. **Gray** [GI89a].

**Hagen** [Ips06f]. **Hand** [BCCI98]. **held** [CW86, Rod89]. **Helmut** [Ips96a]. **Hermitian** [IN09]. **History** [Ips94, Ips96b]. **Hyperbolic** [DI86a]. **Hypercube** [IJ87a, IJ90, IJ87b]. **Hypercubes** [BI85, GI88, GI89a, GI89b].

**IBM** [CW86]. **idea** [IM98]. **ILAS** [IMŠ+09a, IMŠ+09b]. **Illinois** [DMSV90]. **Illustration** [DI87a]. **Impact** [IS85, IS86]. **Imply** [EI98b, EI99]. **Importance**

[EBSS+11]. **Improving** [JI92]. **Inclusion** [BI03]. **Increase** [BDI24]. **Influence** [BCCI98]. **Information** [EBSS+11]. **Inner** [IZ20]. **Institute** [CW86, GD88]. **Integral** [CIK+95, CIK+96]. **International** [IMŠ+09b, xJ94, Ips06f]. **Introduction** [Ips07a, Ips08a, Ips08d, Ips08e, Ips09d]. **invariant** [Ips00b, Ips00c, Ips10e]. **Inverse** [Ips94, Ips96b, Ips97, JI92]. **issue** [Ips06e, Ips06f, Ips09f, IMŠ+09b]. **Iteration** [Ips94, Ips96b, Ips97, JI92]. **Iterative** [CIOR21].

**July** [CW86, Ips06f, IMŠ+09b]. **June** [Ips06f, Lew94].

**Krylov** [DIKMI18, IM98, RICO23].

**Lack** [BCCI98]. **Langville** [IK05, IK06]. **Large** [CW86]. **Least** [BI87, IKP11, IW14]. **Leuven** [GD88]. **Leverage** [HIW15]. **Levinson** [Ips90, Ips91]. **Linear** [BCCI98, BI87, CI95c, CIOR21, GD88, ISS84, ISS86, IMŠ+09b, Lew94, BCIH19, CI21, CI22]. **Local** [GI89a]. **log** [SAI17]. **log-determinant** [SAI17]. **Low** [BKS18, DI19]. **Low-Rank** [BKS18, DI19]. **Lower** [BDI24].

**Markov** [IM94]. **Mathematical** [IW06]. **mathematics** [FKL+06]. **Matrices** [CI94c, IW14, EI98a, Ips00b, Ips00c, Ips01, IN09]. **Matrix** [BKS18, DI87b, DI19, EI98b, EBSS+11, HIS23, HI15, Ips83, BI03, EI99, Ips98, Ips09e, SAI17]. **matrix-free** [SAI17]. **Mesh** [GI88, GI89a, GI89b]. **Method** [COIG19, Ips84a]. **Methodology** [DI87a]. **Methods** [CIOR21, HIS23, IJ87b, IM98]. **Meyer** [IK05, IK06]. **Minimal** [CIKM94, CIKM96]. **Modern** [Sch88]. **Monte** [EBSS+11, HIS23]. **multiple** [CI21]. **Multiplication** [EBSS+11]. **Multiplicative** [CI21]. **Multiprocessor** [ISS84, ISS86]. **multivariate** [CI21].

**NATO** [GD88]. **Need** [DI19]. **Network** [HI82]. **Networks** [HI83]. **Nodes** [IS08, IS07]. **non** [IN09]. **non-Hermitian** [IN09]. **Nonlinear** [IKP11]. **nonsymmetric** [Ips01]. **Norms** [IS11, CI21]. **note** [Ips01, Ips03]. **Numerical** [Ips96a, Ips09e, xJ94, Sch88]. **numerics** [GIO+19].

**Oberlech** [CW86]. **Ordinal** [WI09, WI09]. **Orthogonal** [HI82, HI83]. **Orthonormal** [IW14]. **overview** [Ips00c].

**PageRank** [IK05, IK06, IW06, IS07, IS08, WI09, WI09]. **Papers** [Ips10a, Ips10b, Ips10c, Ips10d, Ips11a, Ips11b, Ips11c, Ips11d, Ips12a]. **Parallel** [DI86a, DI90, DMSV90, GD88, Ips84a, IS85, IS86, Ips87, Ips88, Rod89, Sch88]. **Partial** [DI87b, DI89]. **Perturbation** [EI93, EI94, EI95, EI98b, IR08, CI21, EI98a, EI99, Ips98, Ips00b, Ips03, IN09, Ips10e]. **point** [HI23]. **Polynomial** [CIKM94, CIKM96]. **Polynomials** [RI11, IR08]. **Positive** [DI86a, Ips87, Ips88]. **Positive-Definite** [Ips87, Ips88]. **Precision** [BDI24, HI23]. **Precision-aware** [HI23]. **Preconditioned** [IW14]. **preconditioning** [Ips01]. **Preface** [BDIM15, IMŠ+09a]. **prior** [RICO23]. **Probabilistic** [BCIH19, CIOR21, HI15, HIS18, IZ20, GIO+19, HI23]. **Problem** [IJ87a, IJ90, IJ87b]. **Problems** [BI87, EI93, EI95, IS85, IS86, Ips96a, Ips05, Ips06a, Ips06b, Ips06c, Ips06d, Ips07b, Ips07c, Ips07d, Ips07e, Ips07f, Ips08d, Ips08e, Ips08b, Ips08c, Ips09d, Ips09a, Ips09b, Ips09c, IKP11, IW14, CW86, Ips06e, Ips06f, Ips09f]. **Proceedings** [DMSV90, Ips06f, IMŠ+09a, xJ94, Lew94, Rod89, CW86]. **Processing** [DMSV90, GD88, Rod89]. **Products** [IZ20]. **projector** [CI22]. **projector-based** [CI22]. **properties** [IW06, RICO23]. **pseudo** [DKIK07]. **pseudo-arclength** [DKIK07].

**QR** [CI95b]. **quantifying** [CI22].

**Randomized** [HI15, SAI17]. **Rank** [BKS18, CI91, CI94d, DI19, IKP11]. **Rank-Deficient** [IKP11]. **Rank-Revealing** [CI91, CI94d]. **Ranking** [WI09, WI09]. **Real** [HIS23]. **Recursive** [GI88, GI89b]. **Refined** [IN09]. **Refinement** [GI88, GI89a, GI89b]. **regions** [BI03]. **regression** [CI21, CI22]. **Relative** [EI93, EI94, EI95, EI98a, EI98b, Ips98, EI99, Ips00b, Ips00c, Ips03]. **Remarks** [Ips90, Ips91]. **Research** [Ips10a, Ips10b, Ips10c, Ips10d, Ips11a, Ips11b, Ips11c, Ips11d, Ips12a, Ips12b]. **residual** [Ips00a]. **Results** [DIKMI18, EI98a, Ips98]. **Retrieval** [EBSS+11]. **Revealing** [CI91, CI94d]. **Right** [BCCI98]. **Right-Hand** [BCCI98]. **Ring** [ISS84, ISS86]. **Rotations** [BI87, DI86a, Ips84a].

**Sampling** [EBSS+11, IW14]. **scale** [CW86]. **Scaled** [BI87]. **Schatten** [CI21]. **Scheme** [GI89a]. **Scientific** [DMSV90, Rod89]. **Scores** [HIW15]. **Selection** [IKP11]. **Sensitivity** [CI95c]. **Shanghai** [IMŠ+09a, IMŠ+09b, xJ94]. **SIAM** [DMSV90, Lew94, Rod89]. **Side** [BCCI98]. **Signal** [GD88]. **Singular** [BDI24, CI94a, CI94b, CI94c, CI95b, DI19, EI93, EI94, EI95, Ips84b, CI95a, Ips98]. **sketched** [CI22]. **Small** [BDI24]. **Snowbird** [Lew94]. **Society** [IMŠ+09b]. **Solution** [BCCI98, BI87, CIK+95, CI95c, DI86a, DI87a, ISS84, IS85, ISS86, IS86, Ips87, Ips88, Ips96a, CIK+96, Ips06e, Ips06f, Ips09f]. **solvers** [BCIH19]. **Solving** [IJ87a, IJ90, IJ87b]. **Some** [Ips90, Ips91]. **Spaces** [DIKMI18]. **Special** [Ips06e, Ips06f, IS08, Ips09f, IMŠ+09b, GIO+19, IS07]. **Spotlights** [Ips12b]. **Squares** [BI87, IKP11, IW14]. **Stability** [IM94]. **Stable** [DI89, Ips83]. **Statistical** [RICO23]. **Structural** [DIKMI18]. **Study** [GD88]. **Subset** [IKP11]. **Subspace** [HIS18]. **Subspaces** [DIKMI18, EI94, HIS18, IM95, Ips00b, Ips00c, Ips10e]. **summation** [HI23]. **Symmetric** [DI86a, HIS23, Ips87, IJ87a, Ips88, IJ90, IJ87b]. **synthesis** [DI86b]. **System** [BCCI98, ISS84, ISS86]. **Systems** [CI95c, CIOR21, DI86a, DI87a, Ips87, Ips88]. **Systolic** [BI87, DI86b, DI87a, HI82, HI83, Ips84b, Ips87, Ips88].

**Techniques** [EI93, EI95, Ips05, Ips06a, Ips06b, Ips06c, Ips06d, Ips07c, Ips07d, Ips07e, Ips07f, Ips08b, Ips08c, Ips09d, Ips09a, Ips09b, Ips09c, Ips07b, Ips08d, Ips08e]. **Their** [HI82]. **theorems** [Ips00c]. **theory** [Ips10e]. **Third** [Rod89]. **Three** [EI98b, EI99]. **time** [DI86b]. **Toeplitz** [DI87a, Ips87, Ips88]. **total** [CI22]. **trace** [SAI17]. **Transformations** [HI82]. **Trees** [BI85]. **Triangular** [CI94c]. **Tridiagonal** [IJ87a, IJ90, IJ87b]. **Two** [IJ87b].

**uncertainties** [CI22]. **Uniform** [DI90, GI89a, IM94]. **unifying** [BCIH19, Ips03]. **Untitled** [Ips07g, Ips12c]. **Updates** [BKS18]. **Updating** [IK05, IK06]. **Using** [Ips84a]. **Utah** [Lew94].

**Value** [CI94a, CI94c, DI19, EI93, EI95, Ips84b]. **Values** [BDI24, CI94b, CI95b, CI95a, Ips98]. **Vector** [EI94, IS11]. **view** [BCIH19]. **VLSI** [DI87a, Ips83].

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