

# A Bibliography of Publications of Barry Francis Smith

Barry Francis Smith

Tel: ?n/a?  
FAX: ?n/a?

E-mail: bsmith@mcs.anl.gov (Internet)

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## Abstract

This bibliography records publications of Barry Francis Smith.

Grids [CS93].

**hierarchical** [WS90].

**implementation** [Smi93].

**interaction** [DHH<sup>+</sup>88]. **iterative** [Smi92a].

**libraries** [GS93]. **linear** [GS93].

**machines** [DHH<sup>+</sup>88]. **matching** [CSZ94].

**Meshes** [CSZ94]. **Methods** [GS92].

**multigrid** [DS89].

**neutral** [GS93]. **Non** [CSZ94].

**Non-matching** [CSZ94].

**numerics** [DHH<sup>+</sup>88].

**optimal** [Smi92b]. **Overlapping** [GS92].

**parallel** [DS89]. **Portable** [GS94].

**preconditioner** [Smi92b]. **problem** [DS89].

**problems** [Smi91].

**algorithm** [DS89]. **algorithms** [DSW93].  
**analyze** [DS89]. **antisymmetries** [DS89].

**basis** [WS90]. **boundary** [DS89].

**case** [DS89]. **Coarse** [CSZ94].

**data** [GS93].

**data-structure-neutral** [GS93].

**decomposition** [WS90]. **design** [GS93].

**dimensions** [Smi91]. **domain** [WS90].

**elasticity** [Smi92b]. **elliptic** [DS89].

**Experiences** [GS92]. **Extensible** [GS94].

**Scalable** [GS94]. **Schwarz** [DSW93, GS92].  
**solution** [GS93]. **sparse** [GS93].  
**structure** [GS93].  
**substructuring** [Smi92a].  
**symmetries** [DS89]. **systems** [GS93].

[DS89]

**three** [Smi91].

**Unstructured** [CS93]. **Using** [DS89].

**value** [DS89].

**Douglas:1989:USA**

Craig C. Douglas and Barry F. Smith. Using symmetries and antisymmetries to analyze a parallel multigrid algorithm: the elliptic boundary value problem case. *SIAM Journal on Numerical Analysis*, 26(6):1439–1461, December 1989. CODEN SJNAAM. ISSN 0036-1429 (print), 1095-7170 (electronic).

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Maksymilian Dryja, Barry F. Smith, and Olof B. Widlund. Schwarz analysis of iterative substructuring algorithms for problems in three dimensions. Technical Report MCS-P250-0791, Argonne National Laboratory, Argonne, IL, USA, 1993. Published in [DSW94].

**Dryja:1994:SAI**

Maksymilian Dryja, Barry F. Smith, and Olof B. Widlund. Schwarz analysis of iterative substructuring algorithms for elliptic problems in three dimensions. *SIAM Journal on Numerical Analysis*, 31(6):1662–1694, December 1994. CODEN SJNAAM. ISSN 0036-1429 (print), 1095-7170 (electronic).

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[DSW94]

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