

3D Groundwater Flow and Transport Modeling with Processing Modflow

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MODFLOW

- **MODFLOW-88**
USGS Open-File Report 83-875.
Authors: Michael G. McDonald and Arlen W. Harbaugh
- **MODFLOW-96 (User's Documentation)**
USGS Open-File Report 96-485.
Authors: Arlen W. Harbaugh and Michael G. McDonald
- **MODFLOW-96 (Programmer's Documentation)**
USGS Open-File Report 96-486.
Authors: Arlen W. Harbaugh and Michael G. McDonald
- **BCF2-Package**
USGS Open-File Report 91-536.
Authors: Michael G. McDonald, Arlen W. Harbaugh, Brennon R. Orr, and Daniel J. Ackerman
- **CHD1-Package**
Appendix C of the documentation of the IBS1-Package (1991). Authors: S.A. Leake and D.E. Prudic
- **DE45-Package**
USGS Open-File Report 95-288
Authors: Arlen W. Harbaugh
- **FHB1-Package**
USGS Open-File Report 97-571.
Authors: S. A. Leake and Michael. R. Lilly
Note: This package is not supported by PMWIN.
- **HFB1-Package**
USGS Open-File Report 92-477
Authors: Paul A. Hsieh and John R. Freckleton
- **IBS1-Package**
Authors: S.A. Leake and D.E. Prudic
- **PCG2-Package**
Author: Mary C. Hill
- **RES1-Package**
USGS Open-File Report 96-364.
Authors: J.P. Fenske, S.A. Leake and D.E. Prudic
- **STR1-Package**
USGS Open-File Report 88-729.
Author: David.E. Prudic

Inverse Models

- **PEST**
Author: John Doherty (Watermark Computing)
- **UCODE**
Authors: Eillen P. Poeter and Mary C. Hill

Transport Models

- **MOC3D**
USGS Water-Resources Investigations Report 96-4267.
Authors: L.F. Konikow, D.J. Goode, and G.Z. Hornberger
- **MOC3D (Version 2)**
USGS Water-Resources Investigations Report 98-4234.
Authors: K.L. Kipp, Jr., L.F. Konikow and G.Z. Hornberger
- **MT3D**
Version DoD_1.5. Author: C. Zheng.
Note: This text describes the first version of MT3D and is prepared in S. S. Papadopoulos for the U.S. EP
- **MT3DMS**
Version DoD_3.50A
Authors: Chunmiao Zheng and P. Patrick Wang

Utilities

- **Groundwater Data Utilities (A)**
Author: Watermark Computing.
- **Groundwater Data Utilities (B)**
Author: Watermark Computing.
- **PEST Utilities for MODFLOW and MT3D Parameter Estimation**
Author: Watermark Computing.
- **PEST Surface Water Utilities**
Author: Watermark Computing.
- **QDIGIT**
Author: P. C. Jahans

Miscellaneous

- **Methods and Guidelines for Effective Model Calibration**
USGS Water-Resources Investigations Report 98-4005.
Author: Mary C. Hill
- **EPA Instructional Problems**
Author: Peter F. Andersen

Updates and Add-On Programs

<http://www.uovs.ac.za/igs>
<http://www.baug.ethz.ch/ihw/soft/welcome.html>