

Copyright Disclosure

C Number: (TT use only)

Instructions: When completed, submit to the Phone 5-6846, Fax 5-3125.	ne Technology	Transfer Division	, Copyright Team MS	C333,
1. Copyright Name : [If software, list na	me (acronvm.	if applicable), ver	sion no. Ex: Electronic	Chemical Database
(ECD), Vers.1.0] Walkabout Version	1.0beta			
Is this a beta test version?	☐ No	Version	date: 2/28/2011	
2. External Contributions				
(a) Incorporated copyrights: Code copyright notice(s) for each.				
Copyright name:				
		ner:	How Obtained:	
(b) Non-LANS/LANL authors (contractors, industrial partners, certain students). Attach individual's				
employment agreement.		1		
Name Employer		 Name		Employer
3. Documentation is there a user guide				- inproyor
Yes No Under development If under development, estimated date of completion: March 31, 2011				
4. Specifics Software Firmware Artwork Schematics				
If software, provide:				
Computer Platform: Various Programming Language: Fortran 95 Operating System: Mac OS X, Linux				
5. Funding				
Copyright Development Fiscal year		FY2011		
Program and B&R Codes Program Code(s	1	SAAT CODE 000	0 :::	
Corresponding E	&R Code(s)		11	
Major funding source (DOE, DoD, etc.): DOE (ex. ASC, DHS, LDRD, NIH, OASCR)				
Did this invention result from some type of collaborative arrangement (CRADA, FIA, etc.)?				
If yes, please list: Agreement Number: Company Name:				
6. Classification and Export Control Reviews (S-7) Yes No If yes, date:				
Los Alamos Computer Code (LA-CC) Number:				
Export Control Classification Number (ECCN):				
7. LANS/LANL Authors: (Staff Member, Post doc, GRA, etc.) Note that the employee Z number and country of citizenship are required. If needed, attach list of additional authors listing the same information.				
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(b) Printed Name	Position	228109	EES-16 Signature	USA/Australia Date
(b) Tantou reality	1 00.001		Olginatoro	54.0
Home Address		Z Number	Division & Group	Country of Citizenship
Abstract: Attach a brief description of the code can understand.	the software a	and its functionalit	y, such that someone	who is not familiar with
9. Commercial Potential				
Does the software (or document) have commercial potential?				
10. Certification				
I certify that the information contained in this disclosure is accurate to the best of my knowledge. I understand that I will				
probably be requested to submit source code and documentation to TT in order for TT to fulfill the DOE order to submit all copyright asserted software to ESTSC.				
Copyright Steward (LANS/LANL employee responsible for managing the code)				
Printed Name Z Number	зе теороложне	Signature		Date
Scott Painter 228	109	Scell (3-3-2011
Approval/Signature (Steward's Line Manager or Group Leader)				
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Form 1713 (2/08)	•		\bigcirc	

ABSTRACT: Walkabout simulates the movement of flow tracers or passive solutes in the subsurface. The random walk particle-tracking algorithm is used. A unique aspect of the code is the ability to accommodate fully unstructured control volume grids. Two classes of applications are envisioned: assessments of risks associated with migrating contaminants in the subsurface, and establishing flow streamlines for use in petroleum reservoir simulation.

COMMERCIAL POTENTIAL: Streamline simulation is increasingly popular strategy for evaluating petroleum reservoir performance. Walkabout can reconstruct flow streamlines using flow solutions obtained on fully unstructured grids. This capability has commercial potential in the petroleum industry.