Background Current status Road ahead

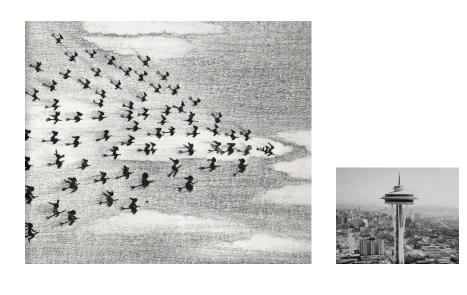
ADMB-IDE

current status & road ahead

Arni Magnusson

ADMB/TMB Developer Workshop

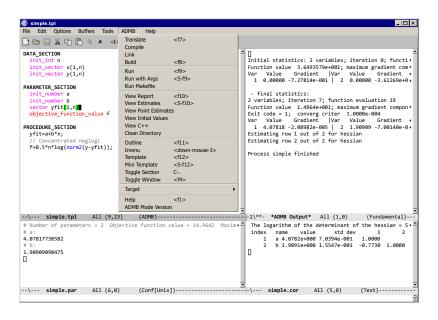
Seattle, 20 June 2016



AD Model Builder IDE

Emacs admb-mode without the Emacs Version 11.2 (2015-01-12)

Revised manual (2015-09-23)



ADMB-IDE

Background

overview, components, history

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overview, components, history

Current status

release lag, issues

ADMB-IDE

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Road ahead

value, teamwork

ADMB-IDE provides mainly two things:

1 Easy way to **install and configure** ADMB with GCC, GDB, and Emacs

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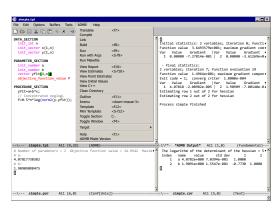
1 Easy way to **install and configure** ADMB with GCC, GDB, and Emacs (in Windows)

2 Efficient and full-featured environment to develop ADMB models

(also available as stand-alone ADMB Mode)



easy to install



efficient environment

ADMB

autodif, tpl2cpp, etc.

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autodif, tpl2cpp, etc.

GCC

compiler

GDB

debugger

ADMB

autodif, tpl2cpp, etc.

GCC

compiler

GDB

debugger

Emacs

editor framework

ADMB

autodif, tpl2cpp, etc.

GCC

compiler

GDB

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editor framework

ADMB Mode

syntax colors

commands

- build

- run

- view

- navigate

- template

Download

ADMB-IDE

http://admb-project.org/tools/admb-ide

ADMB Mode

http://admb-project.org/tools/editors/emacs

Release history

admb-ide	admb	gcc	gdb	emacs	mode	notes
2009 May	9.0	3.4	6.8	22.3	3.1	initial release
2010 Mar	9.1	4.4	7.0	23.1	4.0	
2011 Feb	10.0	4.5	7.2	23.2	6.2	
2012 Mar	10.1	4.5	7.2	23.4	6.8	win32/64
2015 Jan	11.2	4.9	7.8	24.4	11.2	safe, contrib

Lag between ADMB and IDE release

version	admb	ide	lag	notes
9.0	2008 Dec	2009 May	na	initial release
9.1	2009 Dec	2010 Mar	3	
10.0	2011 Jan	2011 Feb	1	
10.1	2011 Apr	2012 Mar	11	
11.0	2012 Jul	_	_	irregular scripts
11.1	2013 May	_	_	irregular scripts
11.2	2014 Dec	2015 Jan	1	18 since admb 11.0
11.3	2015 May	_	_	
11.4	2015 May	_	_	
11.5	2015 Dec	_	?	\geq 13 since admb 11.3

Release lag Issues Release procedure

Current issues

Challenges

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Development notes

- Next release does not have to include 32-bit Windows; these users can run ADMB-IDE 11.2
- Next release should be based on GCC from Rtools
- This will make it easier to build ADMB and TMB models on the same Windows machine

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Find newest versions of all components:
 ADMB, GCC, GDB, Emacs + packages (AUCT_EX, ESS)

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- Build installer

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- Upload and send announcement

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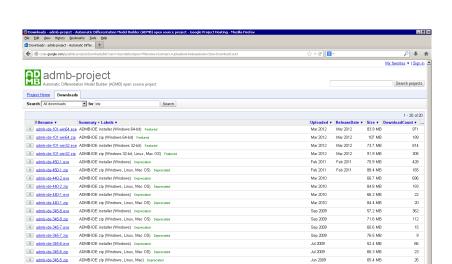
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- ADMB-IDE is used by a large proportion of ADMB users who appreciate the easy and efficient working environment

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- It would be a setback if 11.2 is the final release of ADMB-IDE



admb-ide-345-5.exe

admb-ide-345-4.zip

admb-ide-345-4, exe

ADMB-IDE installer (Windows) Deprecated

ADMB-IDE installer (Windows) Degrecated

ADMB-IDE zip (Windows, Linux, Mac OS) Decreosted

51.6 MB

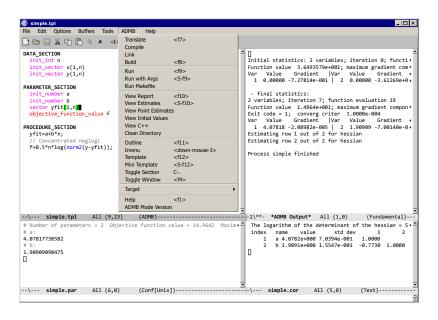
65.4 MB

51.6 MB

Jun 2009

May 2009

May 2009





Teamwork

 It would be very helpful if the maintenance of ADMB-IDE could be shared by more than one developer

 Does anyone here use Emacs in Windows, and is familiar with setting environment variables, etc?