

Reinaldo N. Togores



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# **Autocad Experts Visual Lisp**

**Emilie Sanchez** 

#### **Autocad Experts Visual Lisp:**

AutoCAD Expert's Visual LISP Reinaldo N. Togores, 2012-11-14 This book aims at guiding he who uses AutoCAD on a daily basis in becoming a true expert That kind of AutoCAD expert that is acquainted with understands and can manipulate the program s inner workings to achieve the desired output in a fast and efficient way That expert who is not satisfied with what comes out of the box but demands more Like automating the creation and shaping of 3D objects whether 3DSolids subdivision meshes associative or NURBS surfaces and setting the points of view and visualization modes that help in understanding the generated models To these and other advanced techniques including parameterization reactors the graphical user interface and building applications more than half of this book is dedicated For this we use Visual LISP the tool of choice to customize and extend AutoCAD's features be it by its capabilities as a basic scripting language to automate repetitive tasks or taking advantage of advanced drawing database access possibilities and the management of properties and methods exposed through the ActiveX interface LISP programming techniques including the use of the Visual LISP Integrated Development Environment are explained starting from scratch No previous experience in programming is required to profit from this book s contents Updated for AutoCAD 2019 User support is available at http lispexpert blogspot com The source code for all the examples included in the book can be downloaded freely from the author's Blog http AutoCAD 2021 VS Code Update Reinaldo N Togores, 2021-03-26 With Version 2021 Autodesk lispexpert blogspot com announced its intention to remove the Visual LISP Integrated Development Environment VLIDE replacing it with the Visual Studio VS Code source editor This is an open source editor that can be used to develop programs in almost all known languages This code editor features IntelliSense code completion syntax highlighting bracket matching auto indentation box selection snippets and more It also includes an interactive debugger to step through source code inspect variables view call stacks and execute commands in the console And it has built in support for Source Control Management by installing Git a system for tracking changes in source code during software development Having previously published the AutoCAD Expert s Visual LISP book which is based on VLIDE and considering that most of its content from this book related to AutoLISP Visual LISP programming will not change and that only the chapters dedicated to the development environment would have to be modified I have decided to publish AutoCAD 2021 VS Code Update including all those changes that would be necessary to make to the original book s text As the situation above has not changed with the release of AutoCAD 2022 we now include in this Second Edition of the book the few things added with the most recent version of the AutoCAD AutoLISP Extension We are also expanding the information on the commands used in the management of Source Code Control AutoCAD 2021 VS Code Update Reinaldo N Togores, 2020-04-18 With Release 2021 Autodesk has announced its intention to phase out the Visual LISP Integrated Development Environment VLIDE They are proposing to substitute the old VLIDE with a source code editor developed by Microsoft under the name of VS Code This is an open souce program which can be used for developing

programs in almost every known programming language Support for the different languages is provided by installing Extensions available in the VS Code Marketplace This code editor features IntelliSense code completion syntax highlighting bracket matching auto indentation box selection snippets and more It also includes an interactive debugger to step through source code inspect variables view call stacks and execute commands in the console And it has built in support for Source Control Management by installing Git a system for tracking changes in source code during software development Not a bad deal The Visual LISP Integrated Development Environment is an important part of my books Autocad experts Visual LISP and Experto AutoCAD con Visual LISP so an update seems to be required But instead of updating the whole book to the new source code editor proposed by Autodesk I have decided to publish this new one the AutoCAD 2021 VS Code Update so the readers of AutoCAD Expert's Visual LISP can begin to get used to this new environment with all its new features The Visual LISP books will eventually be updated but I believe we should wait to see if this is the definitive solution Developer's Guide to Visual LISP N. Poleschuk, 2001 Dealing mainly with means of creating automated workstations or CAD systems based on the AutoCAD system this text analyzes the problem of adapting a workplace to fit the concrete plans of the designer from a number of angles and provides a detailed description of the AutoLISP language Methods for working in a Visual LISP environment which allows you to compile and debug programs written in AutoLISP are provided And methods for creating user menus including pull down menus context menus on screen menus and toolbars and for planning dialog boxes in applications are thoroughly examined Key features include a discussion of typical designing and programming tasks of AutoCAD developers and essential problem solving information and useable example codes a detailed review of the AutoLISP programming language use of the Diesel language to create all necessary control elements for user menus and practical The AutoCADET's Guide to Visual LISP Bill Kramer, 2013-04-02 AutoCADet A concise real world advice and examples person who uses AutoCAD directly or indirectly to create or analyze graphic images and is in possession of one or more of the following traits wants to learn has an interest in improving the way AutoCAD works is a visionary AutoCAD user i

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