

# Automatic L<sup>A</sup>T<sub>E</sub>X Plugin for Vim

ver. 1.1

## Compile

`: [N] TEX[!] [mode] compile [N] times in debug [mode]`  
current debug mode: `t:atp_DebugMode`

`[N] \V [n]` ..... compile [N] times in *silent* mode  
`[N] \d [n]` ..... compile [N] times in *debug* mode  
`[N] \D [n]` ..... compile [N] times in *Debug* mode  
`<F5> [n]` ..... compile in *verbose* mode

`: [N] TEXL[!] [!]` ..... compile the current file (using subfiles package)

`: MakeLaTeX[!]` ..... make the project  
`: Kill[!]` ..... kill compiler  
`: Bibtex[!]` ..... make bibliography using `b:atp_BibCompiler`  
`\b [n]`

## View

`: View[!]` ..... view using `b:atp_Viewer`  
`: SyncTex[!]` ..... forward search  
`: SetXpdf` ..... set Xpdf viewer  
`: SetOkuar` ..... set Okular viewer  
`: SetXdvi` ..... set Xdvi viewer

## Debug

`: ShowErrors [efm]` ..... show errors using [efm]  
`: ErrorFormat [efm]` ... set/show error format to [efm]  
Error format is stored in `b:atp_ErrorFormat` variable.  
`: DebugMode [mode]` ..... set/show debug mode  
**debug modes:** *silent*, *autosilent*, *debug*, *autodebug*, *Debug*, *autodebug*, *verbose*.

## Navigate

`<C-j> [n]` ..... go forward in brackets  
`<C-k> [n]` ..... go backward in brackets  
`: TOC[!]` ..... show table of contents  
`\t [n]`  
`: Labels[!]` ..... show labels  
`\L [n]`  
`: Tags[!]` ..... make tag file  
`: LatexTags[!]`

`: Edit` ..... go to project file  
`gf [n]` ..... go to file under the cursor  
`: GotoLabel {label}` ..... go to {label}  
`: GotoNamedDest{dest}` ..... go to {dest}  
`: [N] F {env_name}` ..... go to N-th next {env\_name}  
`[N] >e [n]`  
`[N] >E [n]`  
`: [N] B {env_name}` ..... go to N-th previous {env\_name}  
`[N] <e [n]`  
`[N] <E [n]`  
`[N] >m [n]` ..... go to N-th next inline math  
`[N] >M [n]` ..... go to N-th next displayed math  
`[N] <m [n]` ..... go to N-th previous inline math  
`[N] <M [n]` ..... go to N-th previous displayed math  
`: [N] NPart` ..... go to N-th part ahead  
`[N] >p [n]`  
`: [N] PPart` ..... go to N-th part part backward  
`[N] <p [n]`  
`: [N] NChap` ..... go to next chapter  
`[N] >c [n]`  
`: [N] PChap` ..... go to previous chapter  
`[N] <c [n]`  
`: [N] NSec` ..... go to next section  
`[N] >s [n]`  
`: [N] PSec` ..... go to previous section  
`[N] <s [n]`  
`: [N] NSSec` ..... go to next subsection  
`[N] >S [n]`  
`: [N] PSSec` ..... go to previous subsection  
`[N] <S [n]`  
`: [N] NSSSec` ..... go to next subsubsection  
`: [N] PSSSec` ..... go to previous subsubsection  
`[N] >f [n]` ..... go to N-th frame forward (**beamer** only)  
`[N] <f [n]` ..... go to N-th frame backward (**beamer** only)

## Search

`: Dsearch[!] {pat}` search for definition matching {pat}  
`: S[!] /{pat}/` ..... search for {pat} in project  
`n N [n]` ..... if `g:atp_mapNn= 1` are using `: S`  
`: BibSearch[!] /{pat}/` ... search for {pat} in bib files

## Toggle Commands

`: ToggleAuTeX` ..... toggle automatic compilation  
`<S-F5> [n]`

`: ToggleNn` ..... toggle ATP n/N search normal commands  
`: ToggleEnv` ..... circle through environments  
`g:atp_toggle_environment_d (d = 1, 2, ...)` are lists of environments to go through.  
`: ChangeEnv [env]` change current environment to [env]  
`: ToggleIMaps` ..... toggle insert maps  
`'<Tab> [ni]`  
`: ToggleSpace` ..... toggle <Space> cmap  
`: ToggleCallBack` ..... toggle call back

## Completion

`<C-X><C-O> [i]` ..... complete (expert mode)  
`<Tab> [i]` ..... if `g:atp_tab_map= 1`  
`<C-X><C-o> [i]` ..... complete (non expert mode)  
`<S-Tab> [i]` ..... if `g:atp_tab_map= 1`

## Printing

`: SshPrint [lpr options]` .. print output using lpr on the server `g:atp_ssh`

## Insert Maps

`<LocalLeader>=g:atp_imap_leader_1="#":`

`#a [i]` ..... \alpha `#s [i]` ..... \sigma  
`#b [i]` ..... \beta `#vs [i]` ..... \varsigma  
`#c [i]` ..... \chi `#t [i]` ..... \tau  
`#d [i]` ..... \delta `#u [i]` ..... \upsilon  
`#e [i]` ..... \epsilon `#w [i]` ..... \omega  
`#ve [i]` ..... \varepsilon `#x [i]` ..... \xi  
`#f [i]` ..... \phi `#z [i]` ..... \zeta  
`#vf [i]` ..... \varphi `#D [i]` ..... \Delta  
`#y [i]` ..... \psi `#Y [i]` ..... \Psi  
`#h [i]` ..... \eta `#F [i]` ..... \Phi  
`#k [i]` ..... \kappa `#G [i]` ..... \Gamma  
`#l [i]` ..... \lambda `#L [i]` ..... \Lambda  
`#i [i]` ..... \iota `#M [i]` ..... \Mu  
`#m [i]` ..... \mu `#P [i]` ..... \Pi  
`#n [i]` ..... \nu `#O [i]` ..... \Theta  
`#p [i]` ..... \pi `#S [i]` ..... \Sigma  
`#vp [i]` ..... \varpi `#T [i]` ..... \Tau  
`#o [i]` ..... \theta `#U [i]` ..... \Upsilon  
`#vo [i]` ..... \vartheta `#W [i]` ..... \Omega  
`#r [i]` ..... \rho

<LocalLeader>=g:atp\_imap\_leader\_2="##", in visual and operator mode g:atp\_vmap\_text\_font\_leader="\_"  
**##rm** [ivo] ..... \textrm{} or \mathrm{}  
**##te** [ivo] ..... \textte{} or \text{}  
**##up** [ivo] ..... \textup{}  
**##md** [ivo] ..... \textmd{}  
**##sl** [ivo] ..... \textsl{}  
**##sc** [ivo] ..... \textsc{}  
**##em** [ivo] ..... \emph{}  
**##it** [ivo] ..... \textit{} or \mathit{}  
**##sf** [ivo] ..... \textsf{} or \mathsf{}  
**##bf** [ivo] ..... \textbf{} or \mathbf{}  
**##tt** [ivo] ..... \texttt{} or \mathtt{}  
**##normal** [ivo] ..... \textnormal{} or \mathnormal{}  
**##bb** [ivo] ..... \(\mathbb{} or \mathbb{}  
**##cal** [ivo] ..... \(\mathcal{} or \mathcal{}  
**##cr** [ivo] ..... \(\mathscr{} or \mathscr{}  
**##frak** [ivo] ..... \(\mathfrak{} or \mathfrak{}  
**:' <, >' Wrap {beg} [end] ....** wrap visual area between beg:end  
**##w** [vo] ..... redo the last wrapping command

<LocalLeader>=g:atp\_imap\_leader\_3=""  
 Long maps are defined if g:atp\_imap\_ShortEnvIMaps= 0.  
**]b ]beg** [i] ..... \begin{} **]e ]end** [i] ..... \end{}  
**]d ]def** [i] ..... definition **]t ]the** [i] ..... theorem  
**]P ]Pro** [i] ..... proposition **]l ]lem** [i] ..... lemma  
**]r ]rem** [i] ..... remakr **]c ]cor** [i] ..... corollary  
**]p ]pro** [i] ..... proof **]x ]exa** [i] ..... example  
**]n ]not** [i] ..... note **]E ]enu** [i] ..... enumareta  
**]I ]ite** [i] ..... itemize **]i** [i] ..... \item  
**]a ]ali** [i] ..... align **]q ]equ** [i] ..... equation  
**]L ]lef** [i] ..... flushleft **]R ]rig** [i] ..... flushright  
**]T ]tik** [i] ..... tikz **]f ]fra** [i] ..... frame  
**]let** [i] ..... letter

### Wrapping maps

**VA** [v] ..... wrap align **VC** [v] ..... wrap center  
**VE** [v] ..... wrap equation **VL** [v] ..... wrap flushleft  
**VR** [v] ..... wrap flushright  
**m** [v] ..... \(\)  
**M** [v] ..... \[ \]  
**\** [vo] ..... :Wrap () begin **\[** [vo] ..... :Wrap [ ] begin  
**\)** [vo] ..... :Wrap () end **\]** [vo] ..... :Wrap [ ] end  
**\{** [vo] ..... :Wrap { } begin **\}** [vo] ..... :Wrap { } end

**\b** [vo] ..... :Wrap \left( \right) begin  
**\b[** [vo] ..... :Wrap \left[ \right] begin  
**\b)** [vo] ..... :Wrap \left( \right) end  
**\b]** [vo] ..... :Wrap \left[ \right] end  
**\b{** [vo] ..... :Wrap \left{ \right} begin  
**\b}** [vo] ..... :Wrap \left{ \right} end

### Mathematical Insert Maps

**—** [i] ..... { } **#/** [i] ..... \frac{}{}  
**^^** [i] ..... ^{} **#&** [i] ..... ^ \wedge  
**]m** [i] ..... \(\) **#N** [i] ..... \Nabla  
**]M** [i] ..... \[ \] **#=** [i] ..... \equiv  
**#\** [i] ..... \setminus **'8** [i] ..... \infty  
**'6** [i] ..... \partial  
**'D** [i] ..... \frac{\partial}{\partial R}

**Example:** x 'D expands to  $\frac{\partial}{\partial x}$ .

**#@** [i] ..... \circ **o.** [i] ..... \odot  
**#\*** [i] ..... \bigcap **o\*** [i] ..... \otimes  
**#+** [i] ..... \bigcup **O\*** [i] ..... \bigotimes  
**#\** [i] ..... \backslash **t\*** [i] ..... \times  
**#.** [i] ..... \dot **S+** [i] ..... \bigcup  
**#s** [i] ..... \dots **S\*** [i] ..... \bigcap  
**'`** [iv] ..... \grave **c\*** [i] ..... \prod  
**'`** [iv] ..... \acute **c+** [i] ..... \coprod  
**'>** [iv] ..... \vec **l+** [i] ..... \vee  
**'.** [iv] ..... \dot **L+** [i] ..... \bigvee  
**'v** [iv] ..... \check **l\*** [i] ..... \wedge  
**'\_** [iv] ..... \bar **L\*** [i] ..... \bigwedge  
**'** [iv] ..... \tilde **<=** [i] ..... \leq  
**'^** [iv] ..... \hat **>=** [i] ..... \geq  
**'u** [ivo] ..... \underline **->** [i] ..... \rightarrow  
**'o** [ivo] ..... \overline **<-** [i] ..... \leftarrow  
**==** [i] ..... &= **->** [i] ..... \Rightarrow  
**~** [i] ..... \cong **<\_** [i] ..... \Leftarrow  
**~** [i] ..... \approx **|-** [i] ..... \vdash  
**++** [i] ..... \sum **-|** [i] ..... \dashv  
**o+** [i] ..... \oplus **t>** [i] ..... \triangleleft  
**O+** [i] ..... \bigoplus **<t** [i] ..... \triangleright  
**o-** [i] ..... \ominus **s<** [i] ..... \subseteq  
**#<** [i] ..... \langle **s>** [i] ..... \supseteq  
**#>** [i] ..... \rangle

### Diacritics

If g:atp\_imap\_diacritics\_intelligent= 1 then type a" to get á.  
**'v** [iv] ..... \v{} **'`** [iv] ..... \grave{}  
**'"** [iv] ..... \"{} **'H** [iv] ..... \H{}  
**'^** [iv] ..... \^{} **'~** [iv] ..... \~{}  
**'v** [iv] ..... \v{} **'.** [iv] ..... \dot{}  
**'b** [iv] ..... \b{} **'c** [iv] ..... \c{}  
**'d** [iv] ..... \d{} **'t** [iv] ..... \t{}  
**'2** [iv] ..... \2{}  
**:' <, >' Wrap {beg} [end] ....** wrap visual area between beg:end

### Help and information

**:help atp** ..... ATP help  
**:help atp-news** ..... ATP news  
**http://atp-vim.sf.net** ..... ATP web page  
**:HelpEnvIMaps** ..... show environment imaps  
**:HelpMathIMaps** ..... show math imaps  
**:HelpVMaps** ..... show vmaps  
**:Map[!] {pat}** ..... show maps with rhs matching {pat}  
**:Nmap[!] {pat}** ... show nmaps with rhs matching {pat}  
**:Imap[!] {pat}** ... show imaps with rhs matching {pat}  
**:Vmap[!] {pat}** ... show vmaps with rhs matching {pat}  
**:Smap[!] {pat}** ... show smaps with rhs matching {pat}  
**:Omap[!] {pat}** ... show omaps with rhs matching {pat}  
**:Lmap[!] {pat}** ... show lmaps with rhs matching {pat}

### Legend

Maps are written in the form:  
 [count] **LHS** [mode] ..... mode denotes the mode of the map, **LHS** is the left side of the map, [count] if present is the count.