Ediff Mode

Because Ediff is a very useful *Emacs* mode (in particular for VC) i wrote a shell script to start it from the command line.

```
#!/bin/bash
#
# Emacs EDIFF shell script.
# NOTE: This script was tested with bash, dash (Debian 12) and zsh (macOS 26+).
#
# Usage: ediff.sh [--client] LOCAL REMOTE [MERGED [BASE]]
#
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#

abspath ()
{
    [[ $1 = /* ]] && echo "$1" || echo "$PWD/${1#./}"
}


# if this is really a MERGE
MERGE=1

if [ $# -gt 0 ] && [ "$1" = "--client" ] ; then
    LOCAL=$(abspath "$2")
    REMOTE=$(abspath "$3")
    MERGED=$(abspath "$4")
    BASE=$(abspath "$5")
    EMACS_CMD="emacsclient --create-frame"

    # NOTE: Empty list `vc-handled-backends' is a workaround for Emacs 24
    #       bug #18788, regarding vc-git mode-line.
    ELISP_COMMON=\
"(setq rho/vc-handled-backends-backup vc-handled-backends      \
       rho/sh-ediff-buf-local (get-file-buffer \"${LOCAL}\")   \
       rho/sh-ediff-buf-remote (get-file-buffer \"${REMOTE}\") \
       rho/sh-ediff-frame (selected-frame)                     \
       cscope-initial-directory nil                            \
       vc-handled-backends ())                                 \
 (defun rho/sh-ediff-quit-hook ()                              \
     (setq vc-handled-backends rho/vc-handled-backends-backup) \
     (ignore-errors                                           \
         (unless rho/sh-ediff-buf-local                       \
             (kill-buffer (get-file-buffer \"${LOCAL}\")))    \
         (unless rho/sh-ediff-buf-remote                      \
```

```
              (kill-buffer (get-file-buffer \"${REMOTE}\"))))   \
      (remove-hook 'ediff-quit-hook 'rho/sh-ediff-quit-hook)    \
      (when (frame-live-p rho/sh-ediff-frame)                   \
          (delete-frame rho/sh-ediff-frame)))                   \
  (add-hook 'ediff-quit-hook 'rho/sh-ediff-quit-hook t)"

    if [ -z "$(lsof -u $USER -a -c '/[Ee]macs/' 2>/dev/null | grep '/server')" ] ; then
        emacs --rho-minimal &
        sleep 2
    fi

    sleep 1
    shift
else
    LOCAL=$(abspath "$1")
    REMOTE=$(abspath "$2")
    MERGED=$(abspath "$3")
    BASE=$(abspath "$4")
    EMACS_CMD="emacs --rho-minimal"
    ELISP_COMMON=\
"(setq ediff-quit-hook 'kill-emacs \
       vc-handled-backends ())"
fi

if [ $# -lt 2 ]; then
    echo "Usage: $(basename $0) [--client] LOCAL REMOTE [MERGED [BASE]]"
    echo "       (see also GIT-DIFFTOOL(1) and GIT-MERGETOOL(1))"
    exit 1
fi

echo -e "$# files:\nLOCAL=$LOCAL\nREMOTE=$REMOTE"

if [ $# -eq 4 ] ; then
    echo -e "MERGED=$MERGED\nBASE=$BASE"
    $EMACS_CMD --eval \
"(progn $ELISP_COMMON
        (setq-default ediff-show-clashes-only t)
        (ediff-merge-files-with-ancestor \"${LOCAL}\" \"${REMOTE}\" \"${BASE}\" nil \"${MERGED}\"))" > /dev/null
elif [ $# -eq 2 -o "${REMOTE}" = "${MERGED}" ] ; then
    $EMACS_CMD --eval \
"(progn $ELISP_COMMON
        (ediff-files \"$LOCAL\" \"$REMOTE\"))" > /dev/null
    MERGE=0
else
    echo "MERGED=$MERGED"
    $EMACS_CMD --eval \
"(progn $ELISP_COMMON
        (setq-default ediff-show-clashes-only t)
```

```
90.         (ediff-merge-files \"${LOCAL}\" \"${REMOTE}\" nil
    \"${MERGED}\"))" > /dev/null
91. fi
92.
93. if [ $MERGE -ne 0 ]; then
94.     EGREPHITS="$(egrep -c '^(<<<<<<<|>>>>>>>)' $MERGED)"
95.
96.     if [ $EGREPHITS -ne 0 ]; then
97.         TMPFILE="$(mktemp --tmpdir $(basename $MERGED).XXXXXXXXXX)"
98.         cp -p "$MERGED" "$TMPFILE"
99.         echo "Conflicts -> see file $TMPFILE"
100.        exit 1
101.    fi
102. fi
103.
104. exit 0
```

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