

erl2latex LATEX Build Script

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```
#!/usr/bin/env escript
%%! -smp enable

-include_lib("kernel/include/file.hrl").

main(Args) ->
  try code:add_path(path()),
      chk_args(Args) of
  {F, Out} ->
    case erl2latex:file(F, [{outdir,Out}]) of
    ok ->
      return_ok();
    Error ->
      rpt("Error (~p)~n", [Error]),
      return_error()
    end;
  OtherArgs ->
    rpt("Bad args (~p).~n",
        "Usage: emktex Src Target~n", [OtherArgs]),
    return_error()
  catch
  error:E ->
    rpt("Exception (~p)~n", [E]),
    return_error()
  end.

chk_args(Args) ->
  chk_args(Args, {undefined,undefined}).

chk_args(["-o",Out|Args], {Src,_}) ->
  chk_args(Args, {Src,Out});
```

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```

chk_args([Src|Args], {_,Out}) ->
    chk_args(Args, {Src,Out});
chk_args([], {Src,Out}) ->
    {Src,Out}.

rpt(Msg,Args) ->
    io:fwrite("emktex: " ++ Msg, Args).

return_error() ->
    init:stop(-1).

return_ok() ->
    init:stop(0).

```

This fairly elaborate function tries to find the ebin/ directory where erl2latex.beam resides. It is designed to work even if the emktex script is started from a symlink to the original.

```

path() ->
    Script = escript:script_name(),
    Src = src_name(Script),
    Abs = filename:absname(Src),
    filename:join(dir(dir(Abs)), "ebin").

src_name(F) ->
    case file:read_link_info(F) of
        {ok, #file_info{type = symlink}} ->
            {ok, Src} = file:read_link(F),
            src_name(Src);
        {ok, #file_info{type = regular}} ->
            F
    end.

dir(F) ->
    filename:dirname(F).

```