

```

LIBRARY IEEE;
USE IEEE.std_logic_1164.ALL;
USE IEEE.numeric_std.ALL;

ENTITY transfer_fixpt IS
    PORT ( num_1          : IN    real;  -- double
          deno_1         : IN    real;  -- double
          h_re           : OUT   real;  -- double
          h_im           : OUT   real;  -- double
        );
END transfer_fixpt;

ARCHITECTURE rtl OF transfer_fixpt IS

BEGIN
    --HDL code generation from MATLAB function: transfer_fixpt
    --
    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    %
    --          Generated by MATLAB 9.2 and Fixed-Point Designer 5.4
    %
    --
    %
    %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
    h_re <= 0.00096287158489771828;
    h_im <= 0.00019286361239814089;

END rtl;

```