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```
%function replace this text with your function definition line
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% ENGR 133
% Program Description
%replace this text with your program decription as a comment
%
% Function Call
%replace this text with a comment that states the function call
%
% Input Arguments
%replace this text with a commented list of the input arguments
%
% Output Arguments
%replace this text with a commented list of the output arguments
%
% Assignment Information
%   Assignment:      Ma3_Task 4
%   Author:
%   Team ID:         LC1-04
%   Contributor:     Ayush Viswanathan, Roshan Sundar, Jackson
%                   Bitterolf,
%   Nolan Hays
%   My contributor(s) helped me:
%       [ ] understand the assignment expectations without
%           telling me how they will approach it.
%       [ ] understand different ways to think about a solution
%           without helping me plan my solution.
%       [ ] think through the meaning of a specific error or
%           bug present in my code without looking at my code.
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

---

## INITIALIZATION

```
slat_spacing = 50; %mm
```

---

```
slat_width = 60; %mm
absorptivity_constant = .76;
shadow_angle = 45; %degrees
blind_setting = [30,45,60]; %degrees

for i = 1:length(blind_setting)

    exec(slat_spacing,slat_width,absorptivity_constant,shadow_angle,blind_setting(i),
end
```

---

## CALCULATIONS

```
function exec(ss,sw,ac,vsa,sa,index)
    [fa1,fa2,fa3] = Ma3_Task4_fractions_04(ss,sw,sa);
    av = Ma3_Task4_absorb_04(ss,sw,ac,vsa,sa,fa1,fa2,fa3);
    tv = Ma3_Task4_transmission_04(ss,sw,ac,vsa,sa,fa1,fa2,fa3);
    fprintf('The transmission value for Blind %d at %d is %f.
\n',index,sa,tv);
    fprintf('The absorption value for Blind %d at %d is %f.
\n',index,sa,av)
end
```

```
The transmission value for Blind 1 at 30 is -0.572457.
The absorption value for Blind 1 at 30 is 1.387543.
The transmission value for Blind 2 at 45 is -0.648144.
The absorption value for Blind 2 at 45 is 1.416686.
The transmission value for Blind 3 at 60 is -0.607829.
The absorption value for Blind 3 at 60 is 1.343479.
```

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## FORMATTED TEXT & FIGURE DISPLAYS

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## COMMAND WINDOW OUTPUT

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## ACADEMIC INTEGRITY STATEMENT

I have not used source code obtained from any other unauthorized source, either modified or unmodified. Neither have I provided access to my code to another. The project I am submitting is my own original work.

