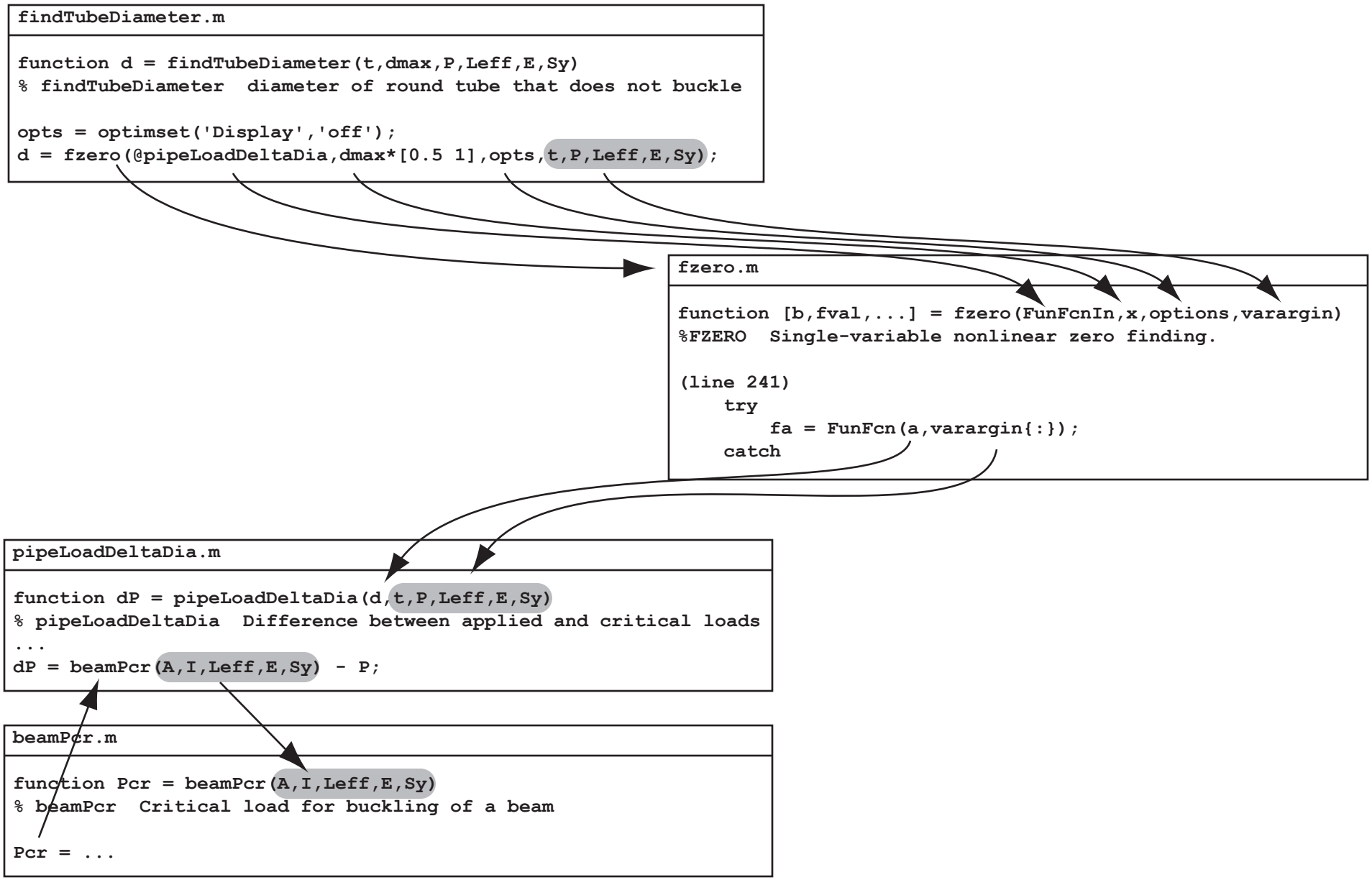
findTubeDiameter.m
function d = findTubeDiameter(t,dmax,P,Leff,E,Sy)
% findTubeDiameter  diameter of round tube that does not buckle
opts = optimset('Display','off');
d = fzero(@pipeLoadDeltaDia,dmax*[0.5 1],opts,t,P,Leff,E,Sy);
fzero.m
function [b,fval,...] = fzero(FunFcnIn,x,options,varargin)
%FZERO  Single-variable nonlinear zero finding.
(line 241)
try
fa = FunFcn(a,varargin{:});
catch
pipeLoadDeltaDia.m
function dP = pipeLoadDeltaDia(d,t,P,Leff,E,Sy)
% pipeLoadDeltaDia  Difference between applied and critical loads
...
dP = beamPcr(A,I,Leff,E,Sy) - P;
beamPcr.m
function Pcr = beamPcr(A,I,Leff,E,Sy)
% beamPcr  Critical load for buckling of a beam
Pcr = ...