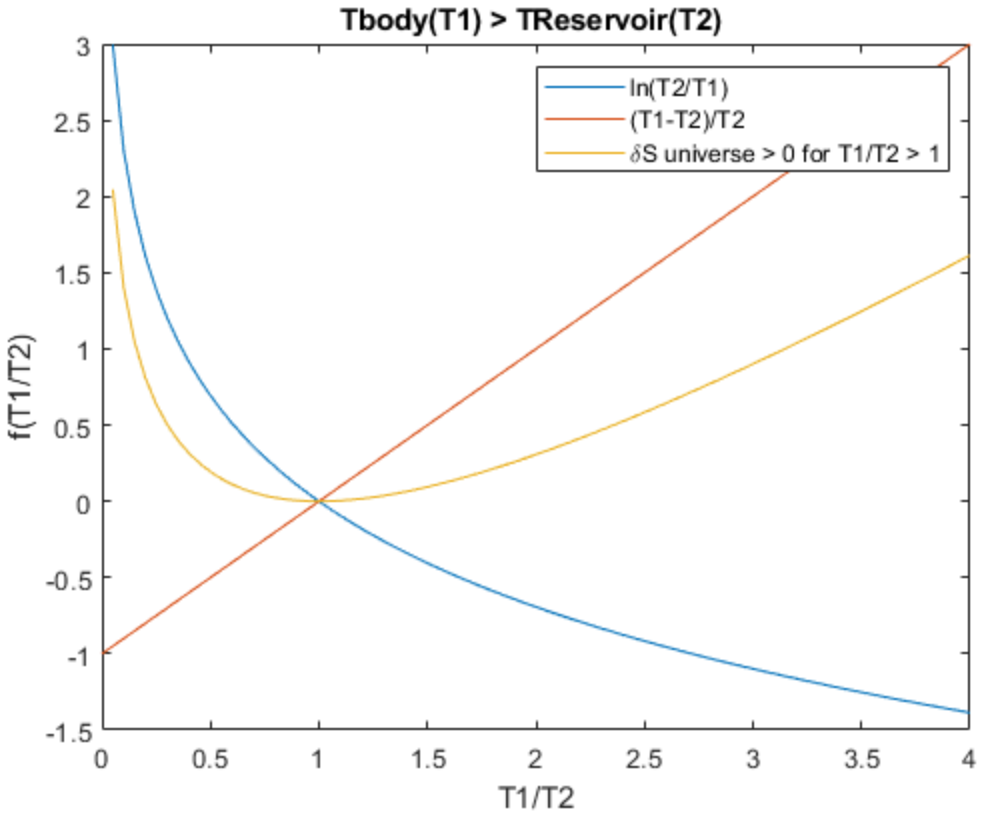
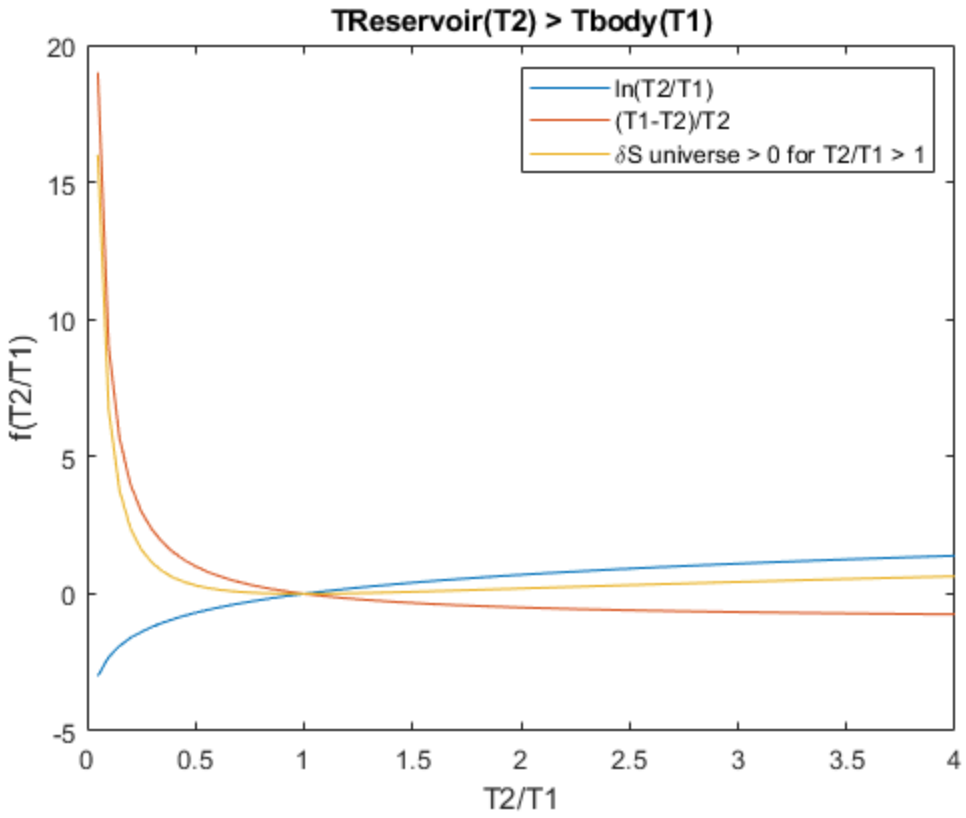
```
figure(1)
x=0:0.05:4;
y=log(1./x)+x-1;
plot(x,log(1./x))
hold on
plot(x,(x-1))
plot(x,y)
legend('ln(T2/T1)','(T1-T2)/T2','\deltaS universe > 0 for T1/T2 > 1')
title('Tbody(T1) > TReservoir(T2) ');xlabel('T1/T2');ylabel('f(T1/T2)');
hold off

figure(2)
x=0:0.05:4;
y=log(x)+(1./x)-1;
plot(x,log(x))
hold on
plot(x,((1./x)-1))
plot(x,y)
legend('ln(T2/T1)','(T1-T2)/T2','\deltaS universe > 0 for T2/T1 > 1')
title('TReservoir(T2) > Tbody(T1)');xlabel('T2/T1');ylabel('f(T2/T1)');
hold off
```





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