\documentclass[12pt]{article}

\usepackage[utf8]{inputenc}

\usepackage{latexsym}

\usepackage{float}

\usepackage{parskip}

\usepackage{amsfonts}

\usepackage{caption}

\usepackage{commath}

\usepackage{amssymb,amsmath}

\usepackage{graphicx}

\usepackage{multirow}

\usepackage[backend=bibtex,style=numeric,sorting=none]{biblatex}

\usepackage[export]{adjustbox}

\usepackage{subcaption}

\usepackage[top=1in, bottom=1in,left=1in, right=1in]{geometry}

\usepackage{minted}

\usepackage{color}

\newcommand{\tb}{\textcolor{blue}}

\newcommand{\tc}{\textcolor{red}}

\newcommand{\bs}{\boldsymbol}

\newenvironment{alphafootnotes}

{\par\edef\savedfootnotenumber{\number\value{footnote}}

\renewcommand{\thefootnote}{\alph{footnote}}

\setcounter{footnote}{0}}

{\par\setcounter{footnote}{\savedfootnotenumber}}

\begin{document}

\title{Optimal Solution Summary}

\author{Xin Shu, Yili Yang}

\date{August 2017}

\maketitle

\begin{center}

\captionof{table}{Parameter Values}

\begin{tabular}{||c c c c c c c c c ||}

\hline

$\rho$ & $\beta$ & $\alpha$ & $\widetilde{\tau}$ & $\tau^\*$ & $\phi\_0 $ & $\phi\_1$ & $peakT$ & $disaster\\_tail$\\

\hline

$1-\frac{1}{0.9}\approx-0.11$ & 0.995^5 & -6 & 2500 & 2000 & 1.5 & 0 & 6 & 18\\

\hline

\end{tabular}

\label{parameter}

\end{center}

\begin{figure}[h!]

\caption{Optimal Solution's Price Path: Sample 29}

\includegraphics[scale=0.35]{29.jpg}

\label{tree}

\end{figure}

\begin{center}

\captionof{table}{Summary for Optimal Solution No.29: U(0)=-9.4951}

\begin{tabular}{||c c ||}

\hline

Optimal Utility Value U(0) & Final Norm of Gradient \\

\hline

-9.4951 & 9.6987$\times 10^{-4}$ \\

\hline

Number of Utility Evaluations & Number of Gradient Evaluations \\

\hline

546 & 546\\

\hline

Number of Iterations & Average Time(s) of 14 Tests\\

\hline

215 & 1472.2\\

\hline

Number of Total Function Evaluations & Average Time of 1 Function Evaluation\\

\hline

69342 &0.02123\\

\hline

\end{tabular}

\label{summary}

\end{center}

\newpage

\begin{figure}[h!]

\caption{Optimal Solution's Price Path: Sample 20}

\includegraphics[scale=0.35]{20.jpg}

\label{tree}

\end{figure}

\begin{center}

\captionof{table}{Summary for Optimal Solution No.20: U(0)=-8.5128}

\begin{tabular}{||c c ||}

\hline

Optimal Utility Value U(0) & Final Norm of Gradient \\

\hline

-8.5128 & 7.2797$\times 10^{-4}$ \\

\hline

Number of Utility Evaluations & Number of Gradient Evaluations \\

\hline

714 & 714\\

\hline

Number of Iterations & Approximate Time\\

\hline

293 & 2266.227\\

\hline

Number of Total Function Evaluations & Average Time of 1 Function Evaluation\\

\hline

90678 & 0.024\\

\hline

\end{tabular}

\label{summary}

\end{center}

\end{document}