

# Math – Notifier Example

Notifier Package example

## Description

This notebook shows how to load the Notifier package, configure it with your credentials, and send a test notification after a simulated long - running task.

Make sure **Notifier.wl** is in the same directory as this notebook.

## Step 1 – Load the Package

First, we set the notebook's directory as the working directory and then load the package.

(\*Set the directory to where this notebook is saved\*)

```
SetDirectory[NotebookDirectory[]];
```

(\*Load the Notifier package\*)

```
Needs["Notifier`"];
```

## Step 2 – Configure Your Credentials

```
SetNotificationConfig[
```

```
  (*---For Pushover---*)
```

```
  (*"PushoverUserKey"→"YOUR_PUSHOVER_USER_KEY",
```

```
  "PushoverAPIToken"→"YOUR_PUSHOVER_API_TOKEN",*)
```

```
  (*---For Telegram---*)
```

```
  (*"TelegramBotToken"→"YOUR_TELEGRAM_BOT_TOKEN",
```

```
  "TelegramChatID"→"YOUR_TELEGRAM_CHAT_ID",*)
```

```
  (*---For Email (using a Gmail App Password)---*)
```

```
  "EmailUsername" → "your.email@gmail.com",
```

```
  "EmailPassword" → "your-16-character-app-password",
```

```
  "EmailRecipient" → "recipient.email@example.com"];
```

## Step 3 – Run a Test Calculation & Notify

Now, we'll simulate a long calculation using `Pause[10]` to wait for

10 seconds. `AbsoluteTiming` will measure the duration. Once complete,

`SendNotification` will send the result to your device.

```
(*Run a sample task and time it*)
timing = AbsoluteTiming[Print["Starting long calculation..."];
  Pause[10];
  (*This simulates a 10-second task*)
  result = "Eigenvalues calculated successfully.";
  Print["...Calculation finished."];];

(*Send the notification with the timing results*)
SendNotification[
  "Task complete in "<>ToString[Round[timing[[1]], 0.1]]<>"s. Result: "<>result,
  "Email" (*Change this to "Pushover" or "Telegram" to test other services*)]
```