BPPM modeling code and examples

This directory contains Mathematica code, numerical examples, and an Excel spreadsheet implementing the modles for BPPM in the paper:

David Messerschmitt, Philip Lubin, Ian Morrison, Challenges in Scientific Data Communication from Low-Mass Interstellar Probe, arXiv:1801.07778 [astro-ph.IM]

All section, figure, table, and equations references are from v4 of this paper, May 2020.

This paper has been submitted to *Astrophysical Journal*.

Files:

- **BPPMmodel.nb:** The model in Table ?? of the paper implemented in a Mathematica notebook, together with numerical examples.

- **BPPMmodel.pdf:** A PDF version of the Mathematica notebook for those lacking Mathematica.

- **BPPM model spreadhseet.xlsx:** A second implementation of the model in a spreadsheet which makes it easy for those lacking Mathematica to run the model for different parameters.

- **BPPM model spreadsheet instructions.pdf:** Written instructions for using the speadsheet.