

# Supporting Information for ”Magnetically Actuated Reconfigurable Metamaterials as Conformal Electromagnetic Filters

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Rich media available at <https://www.youtube.com/watch?v=cWT5vNnTNHs>

**Video S1.** Magnetic actuation of the metamaterial on a flat surface.



**Model S1.** Folded metamaterial on a flat surface (press **Ctrl and +** if the model does not show).

Rich media available at <https://www.youtube.com/watch?v=FBeGB7EPSHc>

**Video S2.** Magnetically actuated metamaterial conforms to cylindrical substrates.



**Model S2.** Folded metamaterial on a cylindrical substrate with radius of 75mm (press **Ctrl** and **+** if the model does not show).



**Model S3.** Folded metamaterial on a cylindrical substrate with radius of 100mm (press **Ctrl and +** if the model does not show).

Rich media available at <https://www.youtube.com/watch?v=UQQPVZGOCoo>

**Video S3.** Magnetically actuated metamaterial conforms to spherical substrates.



**Model S4.** Folded metamaterial on a spherical substrate with radius of 75mm (press **Ctrl** and **+** if the model does not show).



**Model S5.** Folded metamaterial on a spherical substrate with radius of 100mm (press **Ctrl** and **+** if the model does not show).

Rich media available at [https://www.youtube.com/watch?v=b3\\_BJ3AEB0Y](https://www.youtube.com/watch?v=b3_BJ3AEB0Y)

**Video S4.** Freestanding reconfigurable metamaterial.



**Model S6.** Freestanding reconfigurable metamaterial (press **Ctrl and +** if the model does not show).