

# gravitational wave as a force on the beam

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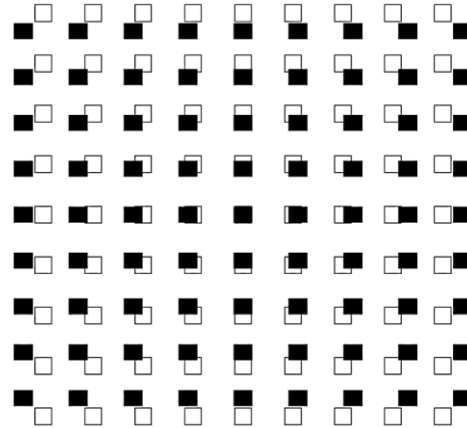
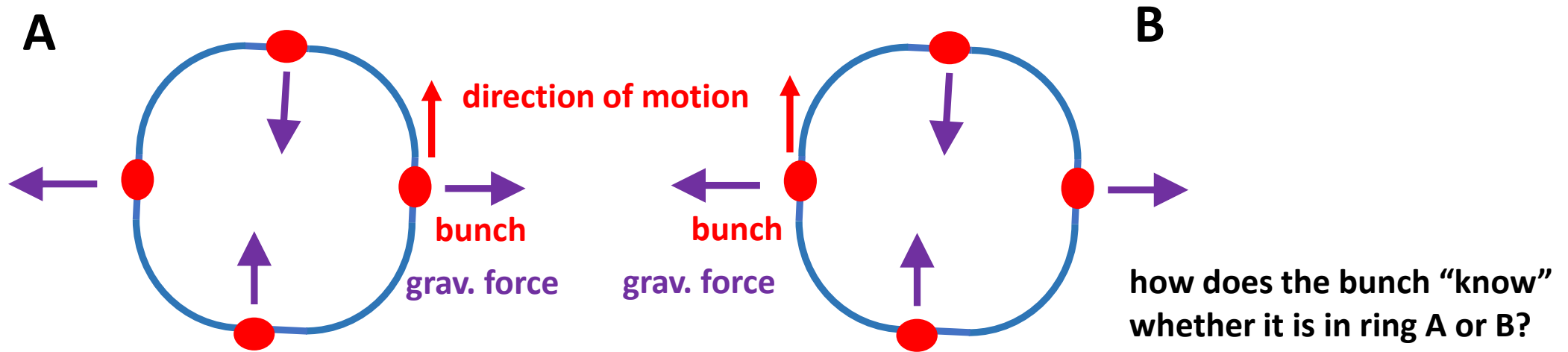


Fig. 1. A gravitational wave causes a set of free masses to change their separations from one another in a pattern like the one shown here. Open squares represent the original positions of the masses, while the filled squares represent their instantaneous relative positions while a gravitational wave of polarization  $h_+$  is present.



perhaps force occurs inside dipoles?