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# P12-34 The "navigational sense" in insect bioinspired independent navigation system

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Biological studies provided information polarized light in animals use in navigation and other task, many research in desert ants and honeybees. Animals have their own internal GPS shows a distance and direction from the nest to food source and return back to their nest with successfully using celestial compass with a set of orthogonally photoreceptor in ommatidia situated in dorsal rim area of the compound eyes. In previous, many researcher built a robot bioinspired from navigation of desert ants. In this paper, we looking for a detail algorithm and programming polarised light in insect do in navigation to improved and make it become a reality in nanotechnology device to enhance, expand and to assist human sensory system.

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