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as well as both radial
and axial motor
topologies.

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Duane C ...

Page 42 In Fig. 2.15(a),
the magnet colours in
the outer ring have
been reversed to show
the correct polarity.

Page 95 In Fig. 3.18,
missing legends added.

Note that this chart is
drawn from data

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originally published by
I.J. Williams, G.E.C.
Journal, Vol. 7, No. 3,
October 1983, pp.
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DC-Motors-Kenjo-T

...Permanent

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The construction of a brushless motor system is typically similar to a permanent magnet synchronous motor (PMSM), but can also be a switched reluctance motor, or an induction (asynchronous) motor. They may also use neodymium magnets and be outrunners (the stator is surrounded by the rotor), inrunners

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(the rotor is surrounded by the stator), or axial (the rotor and stator are flat and parallel).

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(BLDCPM) generator

for the considered
architecture of the
wind energy

conversion system to
be studied in order to
minimize a specific
objective function, ie
total power losses over
one year wind-speed
cycle operation,
depends on the

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In ...**

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Motor Design
Second ...**

The paper presents an optimized design of a low mass brushless DC (BLDC) permanent magnet motor for propulsion of an ultra light aircraft. The optimization has been carried out using

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Differential Evolution algorithm implemented in Matlab combined with SPEED and MotorCAD software packages for electromagnetic and thermal

Optimized Design of a Brushless DC Permanent Magnet Motor ...

In comparison, the brushless DC motor is a reversed design: the permanent magnet is

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rotating whereas the windings are part of the stator and can be energized without requiring a commutator-and-brush system.

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Hanselman has taught a wide variety of undergraduate and graduate classes including introductory circuits, signals and linear systems, control systems, signal processing, electromagnetics, power electronics, electromechanical energy conversion, and numerical methods. Dr. Hanselman is a leading expert in the design of brushless permanent

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magnet motors, i.e.,
brushless DC motors
and PM synchronous
motors.

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This book is one of the
best books in the
design of the machines
specially the Brushless
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Machine. It considers
the design of several
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informations in a very
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